





# *Air Quality in Ontario*

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**Appendix**



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## INTRODUCTION

This appendix is intended for use in conjunction with the annual report Air Quality in Ontario 1996. Appendix A briefly describes the provincial air monitoring network, the quality assurance and quality control procedures and data base. Appendix B provides a series of tables showing the station locations as well as a listing of the summary statistics including, means, maxima, percentile values and the number of exceedances of the Ontario criteria for each pollutant.

## APPENDIX A - Monitoring Network Operations

### Network Description

In 1971, the provincial air monitoring network consisted of 254 instruments: 166 continuous analyzers at 76 monitoring sites and 88 sites with high-volume samplers. By 1980, the provincial network had reached its maximum size at 450 instruments of which 268 were continuous analyzers at 106 sites and 182 high-volume samplers. During 1996, the network consisted of 223 continuous monitoring instruments at 81 sites, 78 high-volume samplers, 23 daily  $PM_{10}$  samplers and 13 real-time  $PM_{10/2.5}$  monitors.

Ministry regional boundaries were altered in 1996. Six regions were reduced to five. The former northeast and northwest regions were combined into one northern region with headquarters in Thunder Bay. Southeast region was renamed eastern region. MAP 1 shows the revised regional boundaries as a result of the realignment.

More than 60% of all air monitoring by the ministry is source-specific and is the principal responsibility of operations division. For the most part, the operation of the monitoring stations and the collection of air samples is conducted by the regional staff. Environmental monitoring and reporting branch operates the Greater Toronto Area (ambient stations) network and the mobile air monitoring units. The monitoring networks are classified by their functions: continuous air monitoring stations; non-continuous sampling sites; the toxic networks; and mobile air monitoring.

### Quality Assurance and Quality Control

In 1996, each region had an atmospheric and terrestrial effects unit responsible for the day-to-day air monitoring and maintenance.

Each day, the instruments are checked through a computerized telephone link by technicians confirming the automatic zero and span values (that is, a known value for a particular gas).

Regional technicians inspect and maintain the monitoring equipment and stations continually. If an instrument undergoes major servicing, the instrumentation and quality assurance unit will re-calibrate it.

Portable calibration equipment is used by regional staff. This equipment itself is re-calibrated at least twice per year.

There are other monitoring programs, such as those operated by the Lambton Industrial Society, Environment Canada and Ontario Hydro, which the ministry either audits or conducts comparisons with. It uses data from these services to judge provincial air quality.

The environmental monitoring and reporting branch operates a laboratory with gas reference standards that adhere to those of the U.S. National Institute of Standards and Technology (NIST) as well as to the pollution measurement division of Environment Canada.



Performance audits are conducted on the sulphur dioxide, nitrogen oxides/nitrogen dioxide, ozone and total reduced sulphur (as hydrogen sulphide) monitors approximately three times per year and on carbon monoxide monitors once per year.

Chemical analyses performed by the laboratory services branch are also subject to quality assurance and control.

The ambient air quality monitoring network undergoes constant maintenance to ensure a high standard of quality control.

Continuous real-time and particulate data are reviewed, assessed and validated constantly by regional staff and staff of the environmental monitoring and reporting branch.

Actions are taken immediately to correct anything that may affect the validity of the data.

These measures ensure that ambient air monitoring data are valid, complete, comparable, representative and accurate.

In 1996, continuous air monitoring instruments were given 689 performance audits. Approximately 84 per cent of the audits were found to be in the acceptable performance criterion, i.e. measured values were within 10 per cent of the standard. For the remaining 16 per cent which fell outside the 10 per cent range, station log records and backup charts were consulted to adjust the data to reflect true ambient concentrations. As a result, the network for 1996 had 94.6 per cent valid data out of approximately 4 million data points.

### **Data Base**

The ambient air quality data used in this report are stored in the ministry's air quality information system (AQUIS). Approximately 4 million air pollution measurements are added to AQUIS yearly, with the vast majority representing Ontario's more heavily populated urban areas.

A statistical pattern test is used to identify data anomalies, such as unusual pollutant concentrations. Each pollutant has a predetermined pollutant concentration range based on historical data. Values outside this range are flagged for further investigation.

AQUIS data are divided into two major groupings: continuous (1-hour) measurements and daily (24-hour) measurements.

Hourly data are obtained from automated ambient air monitoring instruments which operate continuously. These produce an average measurement each hour for a possible total of 8760 measurements in a year.

SO<sub>2</sub>, SP (as COH), CO, NO<sub>x</sub>/NO/NO<sub>2</sub>, O<sub>3</sub> and TRS compounds are all measured hourly. A valid annual mean requires at least 5840 hourly readings or 67 per cent valid data. Typically the network yields approximately 95 per cent valid data.

The instruments which provide daily measurements from a 24-hour sampling period are usually operated on one, three or six-day sampling cycles. They measure TSP, PM<sub>10</sub>, lead, various trace metals, sulphate and nitrate.

For daily data, a valid annual mean requires at least two thirds of the total number of possible samples, i.e., a station operating on a 6-day sampling schedule would require at least 40 out of a possible 61 samples.

To be included in the 10-year trend analysis, a site must have valid annual means for at least 8 out of the 10 years 1987-1996. To be included in long term analysis a site must have a valid annual for at least 20 out of the 26-years, 1971-1996.



## APPENDIX B - Network Descriptive Tables and Annual Statistics

The entire continuous (hourly) network is summarized in Table A1 and Maps 2-8. The table gives station name, numerical identifier, and pollutants measured. The numerical identifier is the station (ID) number, the first digit of which identifies the geographic region in which the station is located.

The column headings for the continuous pollutants are as follows:

SO <sub>2</sub>	(sulphur dioxide)
SP	(suspended particles as measured by COH)
TRS	(total reduced sulphur compounds)
CO	(carbon monoxide)
NO <sub>2</sub>	(nitrogen dioxide)
NO <sub>x</sub>	(oxides of nitrogen)
NO	(nitric oxide)
O <sub>3</sub>	(ozone)
PM <sub>10</sub> /PM <sub>2.5</sub>	(real-time inhalable/respirable particles)
API	(air pollution index)
AQI	(air quality index)

The particulate (daily) network is summarized in Table A2 and Map 9. The table gives station name, numerical identifier, and pollutants measured. Numerals indicate the monitoring cycle frequency in days. Some additional codes are defined in the key at the top of the table. The column headings for the noncontinuous pollutants are as follows:

TSP	(total suspended particulate)
Cu	(copper in TSP)
Cr	(chromium in TSP)
Fe	(iron in TSP)
Mn	(manganese in TSP)
Ni	(nickel in TSP)
Pb	(lead in TSP)
V	(vanadium in TSP)
NO <sub>3</sub> <sup>-</sup>	(nitrate in TSP)
SO <sub>4</sub> <sup>2-</sup>	(sulphate in TSP)

The inhalable particulate (PM<sub>10</sub>) network is summarized in Table A3 and Map 10. This table gives the station location, parameters measured and frequency of sampling.

The meteorological network is summarized in Table A-4 and Map 11. This table gives station name, numerical identifier, meteorological parameters measured and the height of the measurements.

The 1996 statistical data for the various pollutants are provided in Tables A5 through A28. For selected metals in PM<sub>10</sub> and sulphate in PM<sub>10</sub> annual statistics are provided for 1994 to 1996 inclusive.

## ABBREVIATIONS

ID	- five digit provincial station identification number
TYP	- survey type
YR	- year monitoring began
LAT	- station latitude in degrees/minutes
LONG	- station longitude in degrees/minutes
ELEV	- elevation of sampling inlet (metres above ground)
INS	- insufficient data to compute relevant statistics

# TABLE 1 ONTARIO CONTINUOUS AIR MONITORING NETWORK FOR 1996

CITY	STATION NAME	ID	TYP	YR	LAT	LONG	ELEV (M)	ID = STATION IDENTIFICATION NUMBER					ELEV - AIR INTAKE ABOVE GROUND				
								LAT - LATITUDE(DEGREES MINUTES)	LONG - LONGITUDE(DEGREES MINUTES)	COH	CO	O <sub>3</sub>	NO <sub>x</sub> /NO	PM <sub>10</sub> /PM <sub>2.5</sub>	TBS	API	AQI
WINDSOR	WRIGHT TOWER ST	12007	I	84	42 17	83 06	4	T							T		
WINDSOR	467 UNIVERSITY AV W	12008	A	69	42 19	83 03	8	T								T	
WINDSOR	COLLEGE/SOUTH ST	12016	A	75	42 18	83 04	4	T								T	
WINDSOR	MOE WATER PUMP STN, MIDDLE RD	13021	A	77	42 15	82 13	4	T									
WINDSOR	HWY40 (OPPLAMBERT GS)	14016	A	69	42 48	82 29	4	T									
SARNIA	CENTENNIAL PK FRONT ST/ CN TRACKS	14064	A	76	42 59	82 24	3	T									
WINDSOR	CONCESSION RD 26	14118	A	77	42 56	82 14	4	T									
WINDSOR	LONGWOODS CONSERVATION A/III	14119	A	83	42 56	82 14	4	T									
WINDSOR	15013	15013	A	83	43 10	81 41	5	T									
WINDSOR	POINT BLAKE (CONSERVATION AREA)	15020	A	91	43 20	81 44	4	T									
LONDON	900 HIGHBURY AVE	15025	A	95	42 59	81 13	4	T									
WINDSOR	CONCESSION RD 2 LOT A	18007	A	79	44 18	81 35	4	T									
WINDSOR	22071	22071	A	75	42 51	80 16	4	T									
WINDSOR	CHESAPEIDE RD/ KMS OF HWY 3)	22086	I	77	42 52	80 00	5	T									
WINDSOR	TOWNLINE RD/ CN 13	22094	I	86	42 54	80 09	4	T									
WINDSOR	PROVINCIAL PARK	22901	A	79	42 35	80 23	4	T									
WINDSOR	WALPOLE SPS SANDUSK RD	22904	I	79	42 50	80 02	4	T									
WINDSOR	RAINHAM RD (NEAR STELCO GATE)	22907	I	84	42 49	80 05	4	T									
WINDSOR	WEST AVE/HOMWOOD	26060	A	90	43 26	80 30	5	T									
WINDSOR	ELMIRA	26069	I	93	43 35	80 30	5	T									
WINDSOR	ARGYLE CRESCENT	27067	A	87	43 10	79 14	4	T									
WINDSOR	STANLEY RD/ HWY 40	27067	A	93	43 06	79 03	5	T									
WINDSOR	ELGIN/KELLY	27077	I	79	43 04	79 04	6	T									
WINDSOR	EXHIBITION/CLARK ST	28028	A	86	43 33	80 16	4	T									
WINDSOR	ELGIN/KELLY	29000	A	87	43 15	79 52	4	T									
HAMILTON	BARTON/WENTWORTH	29025	I	69	43 16	79 51	4	T									
HAMILTON	467 BEACH BLVD	29102	I	84	43 17	79 47	4	T									
HAMILTON	NASH RD/KENTLEV DR	29105	A	85	43 14	79 46	4	T									
HAMILTON	VICKERS RD/EAST 8TH ST	29114	A	85	43 14	79 42	4	T									
HAMILTON	MAIN ST/HWY 403	29118	A	85	43 15	79 54	3	T									
HAMILTON	31 CASE	29531	I	96	43 29	79 55	3	T									
HAMILTON	PIER 25/BEACH STRIP	29547	I	92	43 27	79 78	4	T									
HAMILTON	HOMESIDE	29564	I	95	43 21	79 66	4	T									
HAMILTON	QUEEN/UNIVERSITY OSGOOD	31003	A	90	43 19	79 23	3	T									
HAMILTON	LAWRENCE/KENNEDY	31003	A	70	43 45	79 16	4	T									
HAMILTON	HENDON AVE (YONGE ST/FINCH AVE)	24020	A	88	43 47	79 25	5	T									
HAMILTON	ELGIN/KELLY	35003	I	69	43 39	79 35	5	T									
HAMILTON	ELGIN/KELLY	35003	I	67	43 37	79 31	5	T									
HAMILTON	CLEARVIEW HEIGHTS	36030	I	88	43 42	79 29	5	T									
HAMILTON	HWY20/NORTH SHORE BLVD E	44008	I	79	43 19	79 48	5	T									
HAMILTON	BRONTE RD/WILBURN CRES	44015	I	80	43 24	79 44	5	T									
HAMILTON	PS. RITSON RD/OLIVE AV	45025	A	79	43 53	78 51	5	T									
HAMILTON	QUEENSWAY WHURONTARIO ST	46110	A	77	43 34	79 37	5	T									
HAMILTON	MEADOW PK, APPLE LANE C C	46117	I	87	43 31	79 26	4	T									
HAMILTON	SID/ROAD 160/COR 8	47037	A	95	44 07	79 31	4	T									

# TABLE 1 ONTARIO CONTINUOUS AIR MONITORING NETWORK FOR 1996

T = DATA TELEMETRED YR = YEAR STATION BEGAN  
 TYP = A AMBIENT SURVEY; I SOURCE SPECIFIC SURVEY

ID = STATION IDENTIFICATION NUMBER  
 LAT = LATITUDE(DEGREES MINUTES)  
 LONG = LONGITUDE(DEGREES MINUTES)  
 ELEV = AIR INTAKE ABOVE GROUND

CITY	STATION NAME	ID	TYP	VR	LAT	LONG	ELEV (m)	SO <sub>2</sub>	COH	CO	O <sub>3</sub>	NO <sub>2</sub> /NO	PM <sub>10</sub> /s	THS	API	AQI
STOUFFVILLE	HWY47/E OF HWY48	48002	A	74	43 58	79 16	5	T				T				
DORSET	HWY 117/PAINTE LAKE ROAD	49010	A	81	45 13	78 36	3	T			T					
OTTAWA	NCD GDS, RIDEAU/WURTEMBERG ST	51001	A	81	45 26	75 41	4	T		T					T	T
KINGSTON	DALTON STREET	52001	A	76	48 01	76 11	3	T					T			T
CORNWALL	MEMORIAL PK, BEDFORD/THIRD STS	56051	A	76	45 01	74 44	4	T		T				T		T
CORNWALL	SCHOOL, 435 SECOND ST W	56068	I	75	45 01	74 44	6									
PETERBOROUGH	MOPE LANSLOWNE ST	59006	A	76	44 16	78 21	7				T					
DRYDEN	35 VAN HORNE AV.	61027	I	84	49 47	92 50	15									
FORT FRANCES	PORTAGE/CHURCH ST.	62030	I	76	48 37	93 24	4									
FORT FRANCES	CEMETERY COLONIZATION RD W	62032	I	76	48 37	93 25	5		T							T
INT'L FALLS	U.S. CUSTOMS BUILDING	62045	I	96	48 36	93 24	5									
FORT FRANCES	EIGHTH STREET/ST. MARY'S HOSPITAL	62051	I	90	48 36	93 23	3									
MARATHON	WATER TOWER	63013	I	91	48 43	86 23	4									
THUNDER BAY	CAN-CAR, MONTREAL ST	63046	I	76	48 21	89 18	3									
RED ROCK	RECREATION CENTRE	63084	I	81	48 57	88 15	7									
TERRACE BAY	ST MARTIN SCHOOL	63090	I	81	48 47	87 06	8									
CLOUD RIVER	TERRACE HEIGHT DR	63092	I	81	48 47	87 04	4			T						
THUNDER BAY	CLOUD RIVER	63120	A	92	48 09	89 27	4									
THUNDER BAY	MTC-615 JAMES ST S	63200	A	86	48 47	89 17	3	T	T	T		T			T	T
SAULT STE MARIE	WMJ MERRIFIELD SCHOOL	71068	A	87	46 32	84 21	3	T								
WAWA	SUPERIOR AVE	71077	I	94	47 59	84 58	5	T								
NORTH BAY	OPP STATION	75010	A	79	46 19	79 27	4		T							
SUDBURY	SKEAD	77012	I	52	46 39	80 46	4	T								
SUDBURY	HANMER	77013	I	73	46 39	80 57	5	T								
SUDBURY	WATER TANK AHSI ST	77016	I	69	46 30	81 09	3	T								
CONISTON	GOVERNMENT ROAD/WARD ST	77028	I	74	46 29	80 51	4	T								
GARSON	FALCONBRIDGE ROAD	77065	I	76	46 34	80 51	4	T								
NEW SUDBURY	SPARKS STREET	77075	I	76	46 31	80 57	4	T								
SUDBURY	LONG LAKE ROAD (VILLA LOYOLA)	77086	I	89	46 24	81 01	4	T								
SUDBURY	MIKKOLA (J. HAMILTON SCHOOL)	77201	I	82	46 25	81 07	4									
SUDBURY	SCIENCE NORTH	77203	A	84	46 28	80 59	15		T							
RAYSIDE	ST LAURENT/REGIONAL RD	77206	I	85	46 36	81 06	4	T								
COPPER CLIFF	MARKET STREET	77218	I	87	46 28	81 04	4	T								
SUDBURY	1412 STEPHEN STREET	77225	I	90	46 28	81 00	4	T								
SUDBURY	DOZZI PARK	77228	I	93	46 28	81 02	4	T								
<b>TOTALS:</b>																
<b>LEGEND:</b>																
SO <sub>2</sub> - Sulphur Dioxide																
COH - Coefficient of Haze																
CO - Carbon Monoxide																
O <sub>3</sub> - Ozone																
NO <sub>2</sub> - Nitrogen Dioxide																
NO - Nitric Oxide																
NO <sub>x</sub> - Oxides of Nitrogen																
PM <sub>10</sub> /s - Real-time Inhalable/Respirable Particles																
THS - Total Reduced Sulphur																
API - Air Pollution Index																
AQI - Air Quality Index																



# TABLE 2 ONTARIO NONCONTINUOUS AIR MONITORING NETWORK FOR 1996

SINGLE DIGITS - CYCLE DURATION IN DAYS  
ID - STATION IDENTIFICATION NUMBER

TYP - A: AMBIENT SURVEY, I: SOURCE SPECIFIC SURVEY  
LAT - LATITUDE (DEGREES MINUTES)

FLYV - AIR INTAKE HEIGHT ABOVE GROUND  
LONG - LONGITUDE (DEGREES MINUTES)

CITY	STATION NAME	ID	TYP	YR	LAT	LONG	FLYV (M)	TSP	Cr	Cu	Fe	Mn	Ni	Pb	V	NO <sub>x</sub>	SO <sub>x</sub>
ST. MARYS	100 THOMAS ST	11001	I	79	43 15	81 09	3	6									
LA SALLE	BEACHLAND HWY 18	12006	A	81	42 14	83 06	4	6									
WINDSOR	WRIGHTWATER ST	12007	I	81	42 17	83 06	4	6	6	6	6	6	6	6	6	6	6
WINDSOR	467 UNIVERSITY AV W	12008	A	70	42 19	81 01	8	6	6	6	6	6	6	6	6	6	6
WINDSOR	9725 RIVERSIDE DR E LITTLE RIVER	12009	A	71	42 20	82 56	2	6									
WINDSOR	DROUILLARD RD RICHMOND ST	12011	I	88	42 19	83 00	5	6	6	6	6	6	6	6	6		
WINDSOR	111 BRAT PLT 1665 WYANDOTT H ST E	12013	I	71	42 19	83 00	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	SEWAGE STN HWY 16 PROSPER CT	12015	A	71	42 17	83 05	5	6	6	6	6	6	6	6	6	6	6
WINDSOR	COLLEGE/SOUTH ST	12016	A	75	42 18	83 04	4	6	6	6	6	6	6	6	6	6	6
WINDSOR	1802 GEORGE AV	12016	A	77	42 19	82 59	4	6									
WINDSOR	3225 CALIFORNIA ST	12017	A	77	42 16	83 02	4	6									
WINDSOR	2885 HOWARD AVE	12018	I	78	42 17	83 01	4	6	6	6	6	6	6	6	6	6	6
AMHERSTBURG	415 IRON ST	12053	I	81	42 08	83 07	11	6									
AMHERSTBURG	DUIT ST (EAST END)	12055	I	91	42 07	83 06	1	6									
WINDSOR	COLUMBUS CENTRE	12058	I	93	42 17	83 01	5	6	6	6	6	6	6	6	6	6	6
WINDSOR	2335 DOUGALL AVE (Blended Centre)	12060	I	95	42 17	83 01	7	6	6	6	6	6	6	6	6	6	6
WINDSOR	1531 CHAMFORD ST (City Yard)	12061	I	95	42 17	83 02	7	6	6	6	6	6	6	6	6	6	6
SARNIA	GENERAL HOSPITAL, 230 HILTON ST	14001	A	62	42 58	82 24	22	6	6	6	6	6	6	6	6	6	6
CORTRIGHT	HWY 40 (OPT LAMBTON GSS)	14016	A	69	42 48	82 29	4	6	6	6	6	6	6	6	6	6	6
CORUNNA	RR #1 (W OF HOUSE)	14010	I	78	42 53	82 17	1	6	6	6	6	6	6	6	6	6	6
CORUNNA	ST CLAIR HWY HWY 40	14059	A	76	42 51	82 27	4	6									
SARNIA	CENTRAL PKT IRON ST CN TRACKS	14064	A	76	42 59	82 24	1	6	6	6	6	6	6	6	6	6	6
SARNIA	DAVIDSON ST	14151	A	79	42 59	82 24	4	6	6	6	6	6	6	6	6	6	6
SARNIA	WEST AR GROUNDS, KINGSTON CTORY	1501025	A	70	42 59	81 13	1	6	6	6	6	6	6	6	6	6	6
ST. THOMAS	EDWARDS RD (ONNS VARIETY I)	15068	I	81	42 48	81 09	3	6									
LONGWOODS	CONSERVATION AUTHORITY	15009	A	83	42 53	81 29	2	6	6	6	6	6	6	6	6	6	6
IN ACTIVITY	CANADIAN (GORDON PROP)	17014	I	74	43 05	80 50	2	6									
IN ACTIVITY	28 VANDERKAM (KILLER)	17015	I	89	43 05	80 50	4	6									
IN ACTIVITY	HWY 102 (SPRUELL PROP)	17020	I	81	43 08	81 49	4	6									
IN ACTIVITY	OXFORD CITY RD 6 (JEFFERSON FARM)	17021	I	83	43 06	81 58	1	6									
NANTICORE	WALPOLE SPS SANDISK RD	22004	I	84	42 50	80 02	4	6									
NANTICORE	KANSHAM RD (SAR SFL CO GATE)	22007	I	84	42 49	80 05	4	6	6	6	6	6	6	6	6	6	6
NANTICORE	N2 KANSAMORE GSS	22004	I	84	42 50	80 05	4	6									
KITCHENER	134 LANCASTER STREET	26044	I	96	41 25	80 30	2	6									
KITCHENER	778 GUILF STREET	26046	I	96	41 25	80 30	2	6									

# TABLE 2 ONTARIO NONCONTINUOUS AIR MONITORING NETWORK FOR 1996

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ID = STATION IDENTIFICATION NUMBER

TYP = A=AMBIENT SURVEY; I=SOURCE SPECIFIC SURVEY  
LAT = LATITUDE(DEGREES MINUTES)

ELEV = AIR INTAKE HEIGHT ABOVE GROUND  
LONG = LONGITUDE(DEGREES MINUTES)

CITY	STATION NAME	ID	TYP	YR	LAT	LONG	ELEV (M)	TSP	Cr	Cu	Fe	Mn	Ni	Pb	V	NO <sub>2</sub>	NO <sub>3</sub>	SO <sub>4</sub>
ST. CATHARINES	71 KING ST	20088	A	87	43 10	79 15	12	6	6	6	6	6	6	6	6	6	6	6
N. LAKES	337 ALBERTA DR/ST	20045	I	78	42 38	79 15	1	6	6	6	6	6	6	6	6	6	6	6
WATERLOO	DAVIDSON ST	20047	I	79	42 33	79 15	1	6	6	6	6	6	6	6	6	6	6	6
THORNHILL	183 QUEEN ST S	20052	I	82	43 07	79 12	1	6	6	6	6	6	6	6	6	6	6	6
NIAGARA FALLS	ST. GEORGE'S STANLEY AV	20055	I	82	43 08	79 05	4	6	6	6	6	6	6	6	6	6	6	6
NIAGARA FALLS	HWY 403/STANLEY AV	20072	A	91	43 06	79 05	5	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	ELGIN/KELLY	20080	A	88	43 15	79 52	4	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	KELBURN/ST	20089	A	69	43 15	79 40	4	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	BURLINGTON/LEIDS	20091	I	71	43 16	79 40	5	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	BURLINGTON/AVELLING	20092	I	66	43 15	79 50	7	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	CHATHAM/BR	20017	I	69	43 15	79 54	5	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	HART/ST/ST/ST/ST	20025	I	69	43 16	79 51	4	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	BAYMAIN ST	20088	A	83	43 15	79 53	21	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	407 BEAUFIELD DR	29102	I	85	43 17	79 47	4	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	NAS/RENTLY DR	29105	A	85	43 13	79 46	4	6	6	6	6	6	6	6	6	6	6	6
GRIFENSVILLE	OHELD RD/HWY 5	29111	I	86	43 18	79 59	1	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	GRIFFIN/ST/ST/ST	29113	I	86	43 15	79 49	4	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	VICKERS RD/EAST 18TH ST	29114	A	85	43 14	79 52	3	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	MAIN ST/HWY 403	29118	A	85	43 15	79 54	3	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	MORLEY ST/PARKDALE AV	29119	I	86	43 15	79 47	4	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	DUNDUR/ST/ST/ST	29122	A	87	43 16	79 53	10	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	ALBRIGHT RD/MT ALBION RD	29135	A	87	43 13	79 48	8	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	KELBURN/ST/ST/ST	29143	I	92	43 24	79 76	4	6	6	6	6	6	6	6	6	6	6	6
TORONTO	BRUCE PS, 51 LARCHMOUNT AV	31045	I	86	43 40	79 20	6	1	1	1	1	1	1	1	1	1	1	1
TORONTO	MOSLEY/LESLIE STS	31058	I	73	43 40	79 20	5	1	1	1	1	1	1	1	1	1	1	1
TORONTO	A R CLARKE CO. 633 EASTERN AVE.	31065	I	87	43 40	79 20	12	1	1	1	1	1	1	1	1	1	1	1
TORONTO	WORKS DEPT, 138 HAMILTON AV	31082	I	74	43 40	79 21	5	1	1	1	1	1	1	1	1	1	1	1
TORONTO	BAY/GROSVENOR	31037/303	A	81	43 40	79 23	3	6	6	6	6	6	6	6	6	6	6	6
MISSISSAUGA	MISSISSAUGA RD/SPOK ST	46047	I	96	43 31	79 37	4	6	6	6	6	6	6	6	6	6	6	6
MISSISSAUGA	MEADOW PARK, APPLE LANE C/C	46117	I	87	43 31	79 36	5	6	6	6	6	6	6	6	6	6	6	6
FORT FRANCES	CEMETERY COLONIZATION RD W	62032	I	76	48 17	91 25	5	6	6	6	6	6	6	6	6	6	6	6
FORT FRANCES	LEGION HLDG, 250 CHURCH ST	62035	I	74	48 16	91 23	9	6	6	6	6	6	6	6	6	6	6	6
HURON DAY	CAN-CAR, MONTREAL ST	61046	I	78	48 21	89 18	1	6	6	6	6	6	6	6	6	6	6	6
HURON DAY	BRA MISSION RD	61121	I	95	48 21	89 16	2	6	6	6	6	6	6	6	6	6	6	6
HURON DAY	MIC O'S JAMES ST S	61200	A	86	48 21	89 17	1	6	6	6	6	6	6	6	6	6	6	6
SAULT STE MARIE	PUMPHOUSE, BONNEY ST	71042	I	75	46 31	84 23	2	6	6	6	6	6	6	6	6	6	6	6

**TABLE 2 ONTARIO NONCONTINUOUS AIR MONITORING NETWORK FOR 1996**

SINGLE DIGITS - CYCLE DURATION IN DAYS		TYP - A AMBIENT SURVEY; I SOURCE SPECIFIC SURVEY				ELEV - AIR INTAKE HEIGHT ABOVE GROUND LONG - LONGITUDE (DEGREES, MINUTES)											
ID - STATION IDENTIFICATION NUMBER		LAT - LATITUDE (DEGREES, MINUTES)				LONG - LONGITUDE (DEGREES, MINUTES)											
CHY	STATION NAME	ID	TYP	VR	LAT	LONG	ELEV (M)	TSP	Cr	Cu	Fe	Mn	Ni	Pb	V	NO <sub>x</sub>	SO <sub>x</sub>
	SAULT STE MARIE	71049	A	75	46 31	84 20	6	6	6	6	6	6	6	6	6	6	6
	SAULT STE MARIE	71068	A	87	46 32	84 21	3	6	6	6	6	6	6	6	6	6	6
	THAMES	72083	I	90	49 41	83 38	2	6	6	6	6	6	6	6	6	6	6
	USGLI HART	72102	I	94	47 49	79 53	3	6	6	6	6	6	6	6	6	6	6
	USGLI HART	72103	I	94	47 50	79 53	3	6	6	6	6	6	6	6	6	6	6
	USGLI HART	72107	I	91	47 85	79 88	3	6	6	6	6	6	6	6	6	6	6
	SUDBURY	77026	A	72	46 30	81 00	8	6	6	6	6	6	6	6	6	6	6
	COPPER CLIFF	77070	I	76	46 28	81 04	5	6	6	6	6	6	6	6	6	6	6
TOTALS:		79 33 33 33 33 39 33 20 20															
LEGEND:																	
TSP - Total Suspended Particles		Fe - Iron				V - Vanadium											
Cd - Cadmium		Mn - Manganese				NO <sub>x</sub> - Nitrate											
Cr - Chromium		Ni - Nickel				SO <sub>x</sub> - Sulphate											
Cu - Copper		Pb - Lead															

# TABLE 3 ONTARIO INHALABLE PARTICLE (PM<sub>10</sub>) NETWORK FOR 1996

ID - STATION ID  
ELEV - AIR INTAKE HEIGHT ABOVE GROUND (METERS)

YR - YEAR MONITORING BEGAN;  
LAT - LATITUDE(DEGREES,MINUTES); LONG - LONGITUDE(DEGREES,MINUTES)  
TYPE - A-AMBIENT SURVEY; 1 - SOURCE SPECIFIC SURVEY

CITY	STATION NAME	ID	Yr	Type	LAT	LONG	(N)	ELEV									
								IP	Cu	Fe	Mn	Pb	Cr	Cd	V	Ni	SO <sub>4</sub>
WINDSOR	WRIGHT/WATER STREET	12507	90	1	42 17	82 16	4	6	6	6	6	6	6	6	6	6	6
WINDSOR	467 UNIVERSITY AVE WEST	12508	89	A	42 19	83 02	8	6	6	6	6	6	6	6	6	6	6
WINDSOR	1665 WYANDOTTE ST. E	12513	92	1	42 19	83 00	6	6	6	6	6	6	6	6	6	6	6
LONDON	801 COMMISSIONERS RD. E	15516	90	A	41 13	81 13	4	6	6	6	6	6	6	6	6	6	6
NANTICORE	WALPOLE: S.P.S. SANDUSK RD	22104	92	1	42 50	80 02	4	6	6	6	6	6	6	6	6	6	6
ST CATHARINES	KING ST	27008	91	A	43 10	79 15	12	6	6	6	6	6	6	6	6	6	6
THOROLD	185 QUEEN ST. SOUTH	27352	90	1	43 07	79 12	1	6	6	6	6	6	6	6	6	6	6
HAMILTON	15 GORDON STREET	28001	89	A	43 05	79 22	4	6	6	6	6	6	6	6	6	6	6
HAMILTON	HEATH RD.	29002	89	1	43 17	79 25	4	6	6	6	6	6	6	6	6	6	6
HAMILTON	GERTRUDE/DEWEY STREET	29813	90	1	43 15	79 49	4	6	6	6	6	6	6	6	6	6	6
HAMILTON	BUCHANAN PARK P.S	29324	92	A	43 14	79 53	4	6	6	6	6	6	6	6	6	6	6
TORONTO	HAY ST./GROSVENOR AVE	31127	89	A	43 40	79 23	3	6	6	6	6	6	6	6	6	6	6
SCARBOROUGH	KENNEDY RD./LAWRENCE AVE	33127	90	A	43 45	79 16	1	6	6	6	6	6	6	6	6	6	6
ETOHICOKE	EVANS/ARNOLD AVENUE	35127	90	A	43 37	79 31	1	6	6	6	6	6	6	6	6	6	6
OAKVILLE	IRONON RD/WOOLBURN CHES	44127	92	1	43 24	79 44	5	6	6	6	6	6	6	6	6	6	6
MUSKOGEE	MEADOWOOD PK. APPLE LANE C.G.	46127	93	A	43 31	79 36	1	6	6	6	6	6	6	6	6	6	6
CHATHAM	MEMORIAL PK. BEDFORD/THIRD STS	50051	92	A	45 01	74 44	4	6	6	6	6	6	6	6	6	6	6
FORT BRANCES	230 CHURCH STREET	62135	92	1	48 36	93 23	9	6	6	6	6	6	6	6	6	6	6
THUNDER BAY	615 JAMES ST. SOUTH	62001	89	A	48 23	89 17	4	6	6	6	6	6	6	6	6	6	6
SAULT STE MARIE	PUMPHOUSE/BONNEY STREET	71342	89	1	46 31	84 23	2	6	6	6	6	6	6	6	6	6	6
SAULT STE MARIE	W. M. MERRIFIELD SCHOOL	71368	90	A	46 32	84 21	3	6	6	6	6	6	6	6	6	6	6
SIDBURY	LISGAR ST	77326	91	A	46 29	80 59	8	6	6	6	6	6	6	6	6	6	6
COPPER CLIFF	MARKET STREET	77570	96	1	46 38	81 04	4	6	6	6	6	6	6	6	6	6	6
<b>TOTALS:</b>								<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>

Notes: Samplers operate on a 6-day sampling cycle

## LEGEND:

IP - Inhalable Particle  
Cu - Copper  
Fe - Iron  
Mn - Manganese

Cr - Chromium  
Cd - Cadmium  
V - Vanadium  
Ni - Nickel

SO<sub>4</sub> - Sulphate  
Pb - Lead





**TABLE 5 Sulphur Dioxide (SO<sub>2</sub>) Statistics (1996)**

Unit: parts per billion (ppb)

Stn	City	Location	Valid hrs	P E R C E N T I L E S					Mean	Maximum		# of times above Criteria	
				10%	30%	50%	70%	90%	99%	1h	24h	1h	24h
12007	Windsor	Wright/Water St	7747	0	3	6	10	19	40	95	41.3	0	0
12008	Windsor	467 University Ave. W	8699	2	6	9	11	18	40	92	29.2	0	0
12016	Windsor	College/South St	8470	1	4	7	11	19	40	101	31.5	0	0
14016	Courtright	Hwy40 (Opp Lambton Gs)	7879	0	1	3	5	14	67	6.2	187	41.3	0
14064	Sarnia	Centennial Pk/Front St/Cn Tracks	8649	0	1	2	4	17	100	7.4	197	83.7	0
15025	London	900 Highway Ave E	8635	0	1	2	3	6	14	2.7	40	11.8	0
18007	Tiverton	Concession Rd 2 Lot A	7650	0	0	1	2	5	15	1.9	60	11.9	0
22071	Simcoe	Experimental Farm	7149	0	1	1	3	7	19	2.8	63	16.1	0
22086	Nanticoke	Cheapside Rd(3 Km S Of Hwy. 3)	8543	0	1	2	3	10	27	3.7	216	21.4	0
22094	Townsend	Townline Rd/Con 13	6024	0	1	1	2	6	18	2.3	53	15.1	0
22901	Long Point	Provincial Park	7185	0	1	1	3	8	20	3.0	68	16.8	0
22907	Nanticoke	Rainham Rd (Near Stedco Gate)	8487	0	1	3	5	13	34	5.0	82	21.3	0
26060	Kitchener	West Ave E/Homewood	8192	0	1	2	4	8	19	3.3	68	22.0	0
26069	Elmira	Park/Duke	3805	0	1	1	3	9	35	INS	115	24.0	0
27067	St Catharines	Argyle Crescent	8482	1	3	5	7	14	28	6.4	59	23.5	0
27072	Niagara Falls	Hwy 405/Stanley Ave.	5736	0	2	4	6	12	27	INS	58	24.0	0
29000	Hamilton	Elgin/Kelly	8729	1	2	4	7	17	40	6.6	82	28.8	0
29025	Hamilton	Baron/Wentworth	7937	2	4	6	9	21	50	9.2	113	34.3	0
29102	Hamilton	467 Beach Blvd	8402	1	3	5	10	26	62	10.1	200	43.6	0
29105	Hamilton	Nash/Kendy Dr.	5385	0	1	2	4	10	28	INS	52	27.3	0
29114	Hamilton	Vickers Rd/E. 181Th St	8481	0	1	3	6	14	35	5.7	71	30.3	0
29118	Hamilton	Main St/W Hwy 403	8743	0	2	3	6	11	25	5.1	65	24.5	0
31303	Toronto	Queen/University Osgoode	8687	1	3	4	6	10	23	5.4	54	26.2	0
33003	Scarborough	Lawrence/Kennedy	8530	2	4	5	6	10	21	5.7	55	27.1	0
34020	North York	Hendon Ave E (Yonge/Finch)	8574	1	2	4	5	9	22	4.6	49	24.5	0
35003	Ettobicoke	Elmerest Rd /Centennial Pk	8602	0	1	2	4	9	24	3.9	131	23.4	0
35033	Ettobicoke	Evans/Arnold Ave.	8486	0	3	4	6	10	23	5.2	60	27.0	0
36030	York	Clearview Hwy/Keefe St	8481	1	3	4	6	10	26	5.3	111	37.5	0
44008	Burlington	Hwy 2/North Shore Blvd E	8549	1	2	3	5	9	21	4.3	47	19.3	0
44015	Oakville	Bronte Rd/Wolm Cres	8396	1	3	4	6	10	24	5.1	52	22.9	0
45025	Oshawa	Ps. Ritton Rd/Olive Ave.	8659	1	3	4	6	10	23	5.0	79	24.4	0
46117	Mississauga	Meadow Park, Apple Lane Club	8664	0	1	2	3	7	20	3.2	52	20.7	0
48002	Stouffville	Hwy47/E Of Hwy48	8529	1	1	2	3	6	15	3.1	53	18.6	0
49010	Dorset	Hwy 117/Paint Lake Rd	8541	0	0	0	1	3	9	1.0	46	10.8	0
51001	Ottawa	Med Gds, Rideau/Wurtenburg St	8295	1	4	5	6	8	14	4.8	48	16.4	0
56051	Cornwall	Memorial Pk, Bedford/Third Sts.	8708	1	2	3	4	12	38	5.2	152	24.0	0

**TABLE 5 Sulphur Dioxide (SO<sub>2</sub>) Statistics (1996)**

Unit: parts per billion (ppb)

Stn	City	Location	Valid hrs	P E R C E N T I L E S						Maximum		# of times above Criteria			
				10%	30%	50%	70%	90%	99%	Mean	1h	24h	1h	24h	1y
63200	Thunder Bay	615 James St. S.	8754	0	0	0	0	1	4	0.3	34	4.0	0	0	0
71068	Sault Ste Marie	Wm. Merrifield School	8726	0	0	1	2	5	26	2.2	121	20.8	0	0	0
71077	Wawa	Hwy 17 West (Koa Campground)	7935	0	0	0	1	4	96	3.7	459	66.0	10	0	0
77012	Sudbury	Skend	8159	0	0	1	3	11	122	6.6	363	75.4	4	0	0
77013	Sudbury	Honner	8748	0	0	1	2	5	49	3.0	231	29.3	0	0	0
77016	Sudbury	Water Tank Ash St.	8738	0	1	1	4	15	103	7.4	582	77.9	17	0	0
77028	Coniston	Government Rd /Falward St.	8707	0	0	1	2	10	93	5.3	286	64.2	1	0	0
77065	Garson	Falconbridge Rd.	8689	0	0	1	2	10	96	5.5	418	56.7	6	0	0
77075	New Sudbury	Kennedy St.	8743	0	1	2	3	10	87	5.6	724	69.8	7	0	0
77096	Sudbury	Long Lake Rd. (Villa Loyola)	8730	0	1	2	3	10	71	5.2	260	41.6	1	0	0
77201	Sudbury	Mikkola (J. Hamilton School)	8715	0	0	1	2	7	66	4.0	542	59.8	8	0	0
77203	Sudbury	Science North	8689	0	1	2	3	9	60	4.6	325	46.6	2	0	0
77206	Raysside	St Laurent/Regional Rd.	8696	0	0	1	1	4	32	2.3	391	38.7	3	0	0
77218	Copper Cliff	Lot 2-Plan M-1025	8710	0	0	1	2	12	119	6.8	570	71.6	14	0	0
77225	Sudbury	1412 Stephen St.	8740	0	0	1	2	8	65	4.3	313	49.3	6	0	0
77228	Sudbury	Dozzi Park	8752	0	0	0	1	8	62	3.9	480	48.5	9	0	0

**TABLE 6 Suspended Particles (SP) Statistics (1996) as measured by COH**  
Unit: COHS/1000 FT

Stn	City	Location	Valid hrs	P E R C E N T I L E S							Maximum		# of times above Criteria	
				10%	30%	50%	70%	90%	99%	Mean	1h	24h	24h	1y
12008	Windsor	467 University Av W	8762	0.1	0.1	0.2	0.3	0.5	1.0	0.26	3.0	0.83	0	0
12016	Windsor	College/South St	8515	0.1	0.2	0.2	0.3	0.6	1.2	0.29	3.4	0.93	0	0
14064	Sarnia	Centennial Pk, Front St/Cn Tracks	8721	0.0	0.1	0.1	0.2	0.3	0.7	0.17	2.2	0.81	0	0
15025	London	900 Highway Ave E	8667	0.0	0.1	0.2	0.3	0.4	0.8	0.21	1.7	0.72	0	0
22907	Nanticoke	Randam Rd (Near Stelco Gate)	8425	0.0	0.1	0.2	0.2	0.4	0.8	0.20	3.2	0.67	0	0
26060	Kitchener	West Ave/Homeswood	8686	0.1	0.1	0.2	0.3	0.4	0.9	0.22	1.7	0.82	0	0
26069	Elmira	Elmira	3258	0.0	0.1	0.1	0.2	0.3	0.6	0.24	1.4	0.51	0	INS
27067	St Catharines	Argyle Cres (Pump Stn)	7964	0.1	0.1	0.2	0.3	0.5	0.9	0.24	3.3	0.82	0	0
27072	Niagara Falls	Stanley Ave/Hwy 420	5714	0.1	0.1	0.2	0.3	0.5	0.8	INS	1.7	0.72	0	INS
29000	Hamilton	Elgin/Kelly St	8686	0.1	0.2	0.3	0.5	1.0	1.8	0.43	3.3	1.45	16	0
29025	Hamilton	Barton/Wentworth	8358	0.1	0.3	0.4	0.6	1.0	2.0	0.51	4.0	1.51	26	1
29102	Hamilton	467 Beach Blvd	8232	0.1	0.2	0.4	0.6	0.9	1.8	0.44	4.8	1.34	8	0
29105	Hamilton	Nash Rd/Kentley Dr	4975	0.2	0.3	0.4	0.5	0.7	1.4	INS	2.8	1.10	2	INS
29114	Hamilton	Vickers Rd/East 18th St	8570	0.1	0.1	0.2	0.3	0.6	1.3	0.26	2.2	1.35	2	0
29118	Hamilton	Main St W/Hwy403	8760	0.0	0.1	0.2	0.4	0.8	1.4	0.33	2.5	1.40	4	0
29531	Hamilton	Jl Case	8000	0.1	0.2	0.3	0.6	1.1	2.4	0.49	4.6	1.97	21	0
31303	Toronto	Toronto (Osgoode)	8468	0.1	0.2	0.4	0.5	0.9	1.5	0.44	3.2	1.24	4	0
33003	Scarborough	Lawrence/Kennedy	8567	0.1	0.1	0.2	0.3	0.6	1.2	0.28	2.3	0.90	0	0
34020	North York	Hendon Ave (Yonge/Finch)	8619	0.1	0.2	0.3	0.4	0.8	1.6	0.37	3.0	1.26	5	0
35003	Ettobicoke	Elmerest Rd (Centennial Pk)	8640	0.1	0.1	0.2	0.3	0.6	1.4	0.29	3.6	1.50	2	0
35033	Ettobicoke	Evans/Arnold Av	8609	0.1	0.2	0.3	0.5	0.8	1.6	0.39	2.7	1.33	5	0
36030	York	Clearview Hl, GS/Keele St	8366	0.1	0.2	0.2	0.4	0.7	1.6	0.34	3.2	1.23	4	0
44008	Burlington	Hwy2/North Shore Blvd E	8719	0.1	0.2	0.2	0.4	0.7	1.4	0.33	2.8	1.10	4	0
44015	Oakville	Bronte Rd/Woburn Cres	8544	0.1	0.1	0.2	0.3	0.5	1.1	0.26	2.4	0.82	0	0
45025	Oshawa	P's Risdon Rd/Olive Av	8167	0.0	0.1	0.2	0.3	0.5	1.1	0.26	1.9	0.89	0	0
46110	Mississauga	Queensway W/Hurontario St	8134	0.1	0.1	0.2	0.3	0.6	1.4	0.31	3.0	1.21	2	0
51001	Ottawa	Mad Gds, Rideau/Wurtemburg St	8342	0.0	0.1	0.1	0.2	0.4	0.8	0.18	2.4	0.73	0	0
52020	Kingston	Churchill Pk, Napier St	8517	0.0	0.0	0.1	0.2	0.4	1.2	0.15	2.4	1.34	1	0
56051	Cornwall	PM10 Memorial Pk, Bedford/Third	8696	0.0	0.0	0.1	0.2	0.4	0.9	0.15	2.3	0.79	0	0
62030	Fort Frances	Portage/Church St	8599	0.0	0.1	0.1	0.2	0.4	1.0	0.19	4.8	1.29	1	0
62200	Thunder Bay	MTC 615 James St S	8598	0.0	0.1	0.1	0.2	0.4	1.1	0.19	2.8	0.99	0	0
71068	Sault Ste Marie	Wm. Merrifield School	8462	0.0	0.1	0.2	0.3	0.6	1.3	0.25	3.8	0.95	0	0
75010	North Bay	OPP Ssn	8343	0.0	0.1	0.1	0.2	0.3	0.8	0.14	1.5	0.56	0	0
77203	Sudbury	Science North	8635	0.0	0.1	0.1	0.2	0.3	0.9	0.15	2.1	0.91	0	0



**TABLE 7 Total Reduced Sulphur (TRS) Statistics (1996)**  
Unit: parts per billion (ppb)

Stn	City	Location	Valid hrs	P E R C E N T I L E S							Maximum		Exceedances of Pulp Mill Criterion 1h
				10%	30%	50%	70%	90%	99%	Mean	1h	24h	
12007	Windsor	Wright/Water St	7674	0	0	1	1	3	10	1.1	39	6.5	2
12016	Windsor	College/South St	8355	0	0	0	1	2	9	0.8	35	8.4	3
14064	Sarnia	Centennial Pk./Front St/C'n Tracks	8670	0	0	0	0	1	2	0.3	12	7.7	0
18007	Tiverton	Concession Rd 2 Lot A	7988	0	0	0	0	1	1	0.3	4	1.4	0
22904	Nanticoke	Walpole S Pk./Sandusk Rd	8375	0	0	0	1	1	4	0.4	9	3.4	0
22907	Nanticoke	Rainham Rd (Near Steeles Gate)	8065	0	0	0	1	2	9	0.8	28	7.2	1
26069	Elmira	Park/Duke	3730	0	0	0	0	1	5	INS	19	2.6	0
27077	Chippawa	Chippawa/Reilly	3460	0	0	0	1	2	3	INS	18	2.2	0
29000	Hamilton	Elgin/Kelly	8574	0	0	1	1	3	9	1.3	22	8.8	0
29025	Hamilton	Barton/Wentworth	7556	0	1	2	3	5	12	2.3	80	12.3	5
29102	Hamilton	467 Beach Blvd	7727	0	0	0	1	3	10	1.1	67	6.3	2
29105	Hamilton	Nash/Kentley Dr.	4735	0	0	1	1	2	5	INS	14	5.1	0
29114	Hamilton	Vickers Rd/18 Th. St	8451	0	0	1	1	2	7	1.1	57	10.8	1
29118	Hamilton	Main St/W Hwy 403	8724	0	0	1	1	3	8	1.3	30	10.3	1
29531	Hamilton	Hillyard St	8513	0	0	1	2	4	13	1.7	77	10.5	19
29547	Hamilton	Pier 25/Bench Strip	7274	0	1	1	2	5	14	2.0	48	9.9	14
44015	Oakville	Bronte Rd/Wohum Cres	8471	0	1	1	2	3	4	1.3	10	4.2	0
46117	Mississauga	Meadow Park, Apple Lane Club	8568	0	0	1	1	2	3	0.7	43	4.5	2
56051	Cornwall	Memorial Pk./Bedford/Third Sts.	8722	0	0	1	1	3	8	1.2	72	7.9	5
56068	Cornwall	School, 435 Second St W	7697	0	1	2	3	7	27	3.0	90	29.6	68
61027	Dryden	35 Van Horne Ave.,	8479	0	0	0	0	1	15	0.7	51	11.1	24
62030	Fort Frances	Portage/Church St.	8743	0	0	0	1	8	40	2.7	145	31.4	210
62032	Fort Frances	Cemetery/Colonization Rd W	8756	0	0	0	0	2	9	0.7	68	9.0	15
62045	Int'l Falls	U. S. Customs Bldg.	8266	0	0	0	1	4	20	1.5	338	21.6	39
62047	Fort Frances	Fifth St/Cornwall Ave. E.	8736	0	0	0	1	5	40	2.5	276	51.6	188
62051	Fort Frances	La Verendrye Hospital	4039	0	0	0	0	2	12	INS	165	5.9	8
63033	Marathon	Water Tower	8694	0	0	0	0	1	6	0.4	21	4.8	0
63046	Thunder Bay	Can-Can, Montreal St	8711	0	0	0	0	2	11	0.8	38	8.0	3
63084	Red Rock	Recreation Centre	8387	0	0	0	0	3	22	1.2	77	21.8	42
63090	Terrace Bay	St Martin School	8724	0	0	0	0	3	22	1.3	98	13.1	57
63092	Terrace Bay	Terrace Height Dr	8751	0	0	0	0	4	43	2.2	159	35.1	180
63200	Thunder Bay	615 James St. S.	8759	0	0	0	0	0	2	0.1	17	4.5	0
71068	Sault Ste Marie	Wm. Merrifield School	8720	0	0	0	1	1	5	0.5	32	4.3	1
77203	Sudbury	Science North	8473	0	0	0	0	1	1	0.3	2	1.9	0

**TABLE 8 Carbon Monoxide (CO) Statistics (1996)**

Unit: parts per million (ppm)

Stn	City	Location	Valid hrs	P E R C E N T I L E S							Maximum		# of times above Criteria	
				10%	30%	50%	70%	90%	99%	Mean	1h	8h	1h	8h
12008	Windsor	467 University Av W	8736	0	1	1	1	1	2	0.8	7	3.3	0	0
14064	Sarnia	Centennial Pk, Front St/Cn Tracks	8682	0	0	0	0	1	1	0.2	5	1.9	0	0
15025	London	London - AOI	8688	0	0	0	0	0	1	0.0	4	1.9	0	0
26060	Kitchener	West Ave/Homewood	8482	0	0	0	1	1	2	0.4	5	3.3	0	0
27067	St Catharines	Argyle Cres (Pump Stn)	7409	0	0	0	0	1	2	0.3	8	2.6	0	0
29000	Hamilton	Elgin/Kelly St	8391	0	1	1	1	2	3	1.0	23	10.5	0	0
29118	Hamilton	Main St W/Hwy 403	8513	0	0	1	1	1	3	0.8	11	3.9	0	0
31303	Toronto	Toronto (Osgoode)	8559	1	1	1	2	2	4	1.3	11	5.3	0	0
33003	Scarborough	Lawrence/Kennedy	8502	1	1	1	1	2	3	1.1	5	3.5	0	0
34020	North York	Hendon Ave (Yonge/Finch)	8608	0	1	1	1	1	2	0.9	4	3.0	0	0
35003	Etobicoke	Elmcrest Rd (Centennial Pk)	8574	0	0	1	1	1	2	0.7	8	2.9	0	0
35033	Etobicoke	Evans/Arnold Av	8599	1	1	1	1	2	3	1.1	5	3.8	0	0
36030	York	Clearview Hl. GS/Keele St	8203	0	1	1	1	1	2	0.9	9	4.1	0	0
44008	Burlington	Hwy2/North Shore Blvd E	8618	0	0	0	1	1	2	0.5	4	2.8	0	0
44015	Oakville	Bronte Rd/Woburn Cres	8521	0	0	1	1	1	2	0.7	4	2.6	0	0
45025	Oshawa	P's Rdson Rd/Olive Av	8631	0	0	1	1	1	2	0.6	6	2.6	0	0
51001	Ottawa	Med Gds, Rideau/Wurtemburg St	8352	0	0	1	1	1	2	0.5	5	2.6	0	0
56051	Cornwall	PM410 Memorial Pk Bedford/Third	8673	0	0	0	1	1	3	0.6	12	5.4	0	0
63200	Thunder Bay	MTG 615 James St S	8680	0	0	0	0	1	2	0.2	6	3.0	0	0
77203	Sudbury	Science North	8712	0	0	0	0	0	1	0.0	3	2.5	0	0

**TABLE 9 Nitrogen Dioxide (NO2) Statistics (1996)**

Unit: parts per billion (ppb)

Station	City	Location	Valid hrs	P E R C E N T I L E S							Maximum		# of times above Criteria	
				10%	30%	50%	70%	90%	99%	Mean	1hr	24h	1h	24h
12008	Windsor	467 University Av W	8722	12	19	24	30	41	58	25.5	72	49.1	0	0
14064	Samia	Centennial Pk, Front St/Cn Tracks	8677	5	9	14	20	31	50	16.4	70	45.2	0	0
15013	Parkhill	Pue Bldg	6623	4	6	9	12	19	32	10.0	98	32.2	0	0
15025	London	London - AQI	8625	7	12	17	22	31	49	18.1	75	46.2	0	0
22086	Nanticoke	Cheapside Rd(3 Km S Of Hwy 3)	7486	0	4	6	9	15	28	7.3	57	22.6	0	0
26060	Kitchener	West Ave/Homewood	8628	3	7	10	16	26	40	12.9	54	33.4	0	0
26069	Elnora	Elnora	3233	3	5	8	13	21	34	1NS	45	27.3	0	0
27067	St Catharines	Argyle Cres (Pump Stn)	7331	5	9	14	19	29	43	15.5	61	42.8	0	0
29000	Hamilton	Elgin/Kelly St	8305	8	14	20	27	38	53	21.6	70	52.6	0	0
29102	Hamilton	467 Bench Blvd	7892	7	14	21	28	39	54	21.9	74	48.6	0	0
29114	Hamilton	Vickers Rd/East 18Th St	7500	6	9	14	20	33	54	17.1	72	49.1	0	0
29118	Hamilton	Main St W/Hwy403	8734	6	11	17	25	37	54	19.7	69	47.2	0	0
31303	Toronto	Toronto (Osgoode)	8722	19	27	32	39	51	70	33.9	108	63.5	0	0
33003	Scarborough	Lawrence/Kennedy	8588	9	15	21	28	40	57	22.9	88	56.4	0	0
34020	North York	Hendon Ave (Yonge/Finch)	8522	7	14	21	27	39	54	21.9	71	48.7	0	0
35003	Etobicoke	Elmcrest Rd (Centennial Pk)	8669	9	17	23	31	44	61	25.3	90	55.0	0	0
35033	Etobicoke	Evans/Arnold Av	8660	16	24	30	37	50	72	31.6	120	70.1	0	0
36030	York	Clearview III, GS/Keefe St	6938	11	18	24	32	50	90	28.1	171	100.4	0	1
44008	Burlington	Hwy2/North Shore Blvd E	8712	3	6	10	13	20	30	10.6	75	31.1	0	0
44015	Oakville	Bronte Rd/Woburn Cres	8478	7	12	18	25	34	48	19.7	64	39.4	0	0
45025	Oshawa	Ps Rison Rd/Olive Av	8639	6	11	17	25	36	54	19.3	79	47.7	0	0
48002	Stouffville	Hwy47E Of Hwy48	7055	4	7	10	14	24	38	12.3	56	32.4	0	0
49010	Dorset	Hwy 117/Pant Lake Rd	8635	1	1	1	2	7	17	2.7	60	23.1	0	0
51001	Ottawa	Med Gds, Rideau/Wurtemburg St	6474	3	7	11	17	27	41	13.4	63	31.6	0	0
56051	Cornwall	PM10 Memorial Pk Bedford/Third	8436	0	3	6	10	19	40	8.4	71	38.3	0	0
63200	Thunder Bay	MTC 615 James St S	8735	3	6	9	13	25	46	11.9	81	40.0	0	0
71068	Sault Ste Marie	Wm. Merrifield School	5964	2	5	10	17	31	50	13.7	99	39.2	0	0
77203	Sudbury	Science North	8638	2	4	6	9	17	36	8.0	53	31.0	0	0

**TABLE 10 Nitric Oxides (NO) Statistics (1996)**

Unit: parts per billion (ppb)

Site	City	Location	Valid hrs	P E R C E N T I L E S							Maximum	
				10%	30%	50%	70%	90%	99%	Mean	1h	24h
12008	Windsor	467 University Av W	8728	3	6	10	16	34	97	15.7	287	62.5
14064	Samia	Centennial Pk, Front St/Cn Tracks	8675	0	1	3	5	16	60	6.6	165	64.0
15013	Parkhill	Puc Bldg	6623	0	1	1	2	4	17	2.2	130	26.2
15025	London	London - AQI	8636	1	3	6	9	22	79	9.9	241	72.5
22086	Nanticoke	Cheapside Rd(3 Km S Of Hwy 3)	7456	0	1	1	2	4	17	2.0	102	18.8
26060	Kitchener	West Ave/Homewood	8641	1	2	3	6	14	78	7.4	267	88.0
26069	Elmira	Elmira	3233	1	1	2	3	7	25	3.2	117	24.1
27067	St Catharines	Argyle Cres (Pump Stn)	7351	1	5	7	10	26	114	12.7	308	108.0
29000	Hamilton	Elgin/Kelly St	8337	1	4	7	13	37	140	15.4	377	130.8
29102	Hamilton	467 Beach Blvd	8124	0	3	12	26	51	145	21.5	337	109.0
29114	Hamilton	Vickers Rd/East 18Th St	7548	0	2	3	6	21	74	8.1	150	62.9
29118	Hamilton	Main St W/Hwy403	8726	1	3	8	19	70	229	25.1	490	178.7
31303	Toronto	Toronto (Osgoode)	8723	8	19	31	49	90	179	41.9	411	172.7
33003	Scarborough	Lawrence/Kennedy	8591	1	5	12	24	56	166	23.2	471	142.5
34020	North York	Hendon Ave (Yonge/Finch)	8672	1	3	7	16	45	133	17.4	347	110.8
35003	Etobicoke	Elmcrest Rd (Centennial Pk)	8667	1	3	8	17	57	211	22.0	374	147.1
35033	Etobicoke	Evans/Arnold Av	8660	5	12	22	39	92	258	39.4	558	214.0
36030	York	Clearview Hr. GS/Keele St	8383	4	7	11	20	68	226	27.1	539	160.8
44008	Burlington	Hwy2/North Shore Blvd E	8704	1	2	4	9	29	115	11.7	432	94.0
44015	Oakville	Bronte Rd/Woburn Cres	8477	2	5	7	12	37	129	15.6	339	81.6
45025	Oshawa	P's Ritson Rd/Olive Av	8664	2	4	8	14	35	114	15.2	317	79.3
48002	Stouffville	Hwy47/E Of Hwy48	6989	1	4	9	17	29	49	12.4	195	36.7
49010	Dorset	Hwy 117/Paint Lake Rd	8635	1	1	2	2	2	5	1.7	22	4.2
51001	Ottawa	Med Gds, Rideau/Wurtenburg St	6509	1	3	5	7	17	70	8.2	176	54.7
56051	Cornwall	PM10 Memorial Pk Bedford/Third	8565	2	3	4	7	13	71	7.9	427	68.2
63200	Thunder Bay	MTC 615 James St S	8736	1	2	3	7	19	89	8.7	354	76.9
71068	Sault Ste Marie	Wm. Merrifield School	5964	0	1	2	5	19	109	8.3	356	75.1
77203	Sudbury	Science North	8636	1	2	3	4	10	63	5.7	204	75.4



**TABLE 11 Nitrogen Oxides (NOx) Statistics (1996)**  
Unit: parts per billion (ppb)

Stn	City	Location	Valid hrs	P E R C E N T I L E S						Mean	Maximum	
				10%	30%	50%	70%	90%	99%		1h	24h
12008	Windsor	467 University Av W	8720	16	24	32	44	69	140	39.1	342	98.4
14064	Sarnia	Centennial Pk, Front St/Cn Tracks	8675	7	11	18	27	47	100	23.5	220	91.5
15013	Parkhill	Poc Bldg	6865	4	6	9	12	20	41	11.0	190	38.3
15025	London	London - AQI	8637	11	17	22	30	49	115	27.9	279	97.2
22086	Nanticoke	Cheapside Rd(3 Km S Of Hwy 3)	7487	1	5	8	11	19	40	9.5	186	36.8
26060	Kitchener	West Ave/Homewood	8638	6	9	14	21	40	110	20.4	291	116.9
26069	Elmira	Elmira	3236	6	9	12	18	30	54	INS	156	53.7
27067	St Catharines	Argyle Cres (Pump Stn)	7253	10	14	20	29	53	147	28.5	348	143.2
29000	Hamilton	Elgin/Kelly St	8188	11	19	28	40	72	185	37.2	427	169.9
29102	Hamilton	467 Beach Blvd	8106	6	16	34	54	84	181	41.7	368	147.6
29114	Hamilton	Vickers Rd/East 18Th St	7461	7	12	18	27	54	120	25.5	250	101.0
29118	Hamilton	Main St W/Hwy403	8363	9	16	26	45	101	243	44.0	460	164.3
31303	Toronto	Toronto (Osgoode)	8723	30	49	66	88	133	239	76.0	496	223.8
33003	Scarborough	Lawrence/Kennedy	8591	10	21	34	51	92	212	45.4	550	193.9
34020	North York	Hamden Ave (Yonge/Finch)	8615	9	18	29	45	80	171	38.9	394	156.7
35003	Etobicoke	Elmcrest Rd (Centennial Pk)	8659	11	21	32	49	98	258	47.2	444	201.1
35033	Etobicoke	Evans/Arnold Av	8660	23	37	52	75	135	316	69.9	628	282.8
36030	York	Clearview Ht. GS/Keele St	6938	17	26	38	57	110	261	54.5	627	240.0
44008	Burlington	Hwy2/North Shore Blvd E	8702	4	9	15	24	47	137	22.5	508	125.8
44015	Oakville	Bronte Rd/Wolrum Cres	8477	9	16	24	35	69	165	33.2	392	115.3
45025	Oshawa	Ps Rdson Rd/Olive Av	8625	8	16	26	39	70	157	34.5	381	123.4
48002	Stouffville	Hwy47/E Of Hwy48	6989	8	14	21	29	43	79	24.0	221	64.6
49010	Dorset	Hwy 117/Paint Lake Rd	8635	2	2	3	4	8	21	4.2	62	27.0
51001	Ottawa	Med Gds, Rideau/Wurtemburg St	6525	8	13	18	25	44	106	23.1	228	83.6
56051	Cornwall	PM10 Memorial PK Bedford/Third	8555	4	8	12	17	32	104	17.0	454	107.1
63200	Thunder Bay	MTC 615 James St S	8739	5	8	13	20	44	133	20.8	433	117.7
71008	South Ste Marie	Wm. Merrifield School	5940	2	6	12	23	48	153	21.9	456	113.5
77203	Sudbury	Science North	8641	4	6	9	14	26	91	14.0	241	105.4

**TABLE 12 Ozone (O<sub>3</sub>) Statistics (1996)**

Unit: parts per billion (ppb)

Stn	City	Location	Valid hrs	P E R C E N T I L E S							Arith.	Maximum		# of times above Criterion 1 h
				10%	30%	50%	70%	90%	99%	1h		24h		
12008	Windsor	467 University Ave. W	8722	2	8	17	26	44	76	20.4	106	65	71	
12016	Windsor	College/South St	8649	1	7	16	27	47	84	20.9	116	66	112	
13021	Merlin	MOE Water Pump Stn, Middle Rd	8725	8	18	26	35	51	85	28.6	111	77	122	
14064	Sarnia	Centennial Pk./Front St/Cn Tracks	8562	5	15	23	33	46	75	25.2	103	68	49	
14118	Mandamin	Concession Rd 26	8683	6	15	22	30	41	69	23.4	98	62	25	
15009	Longwoods	Conservation Authority	8488	5	16	25	34	47	75	26.2	106	61	49	
15013	Parkhill	Pac Building	7532	8	18	26	33	47	78	27.1	105	72	64	
15020	Grand Bend	Point Blake (Conservation Area)	8747	11	23	32	39	50	82	31.9	116	81	99	
15025	London	900 Highbury Ave.E	8541	4	12	20	28	46	79	23.1	105	74	71	
18007	Tiverton	Concession Rd 2 Lot A	8741	14	25	32	38	48	78	32.0	105	84	72	
22071	Simsco	Experimental Farm	7879	9	19	28	37	54	81	29.9	112	77	82	
22901	Long Point	Provincial Park	7471	13	23	32	40	57	87	33.5	129	88	129	
26060	Kitchener	West Ave E/Homewood	8480	3	14	23	32	45	70	23.8	92	61	15	
27067	St Catharines	Argyle Crescent	8519	0	10	18	27	42	69	20.3	90	57	19	
27072	Niagara Falls	Hwy 405/Stanley Ave.	5418	9	20	29	36	50	72	INS	94	68	23	
28028	Guelph	Exhibition St/Clark St	6037	4	18	26	33	46	68	25.9	85	53	4	
29000	Hamilton	Elgin/Kelly	8764	1	6	15	23	38	63	17.3	92	47	5	
29105	Hamilton	Nash/Kently Dr.	5701	2	13	21	28	40	66	INS	87	53	7	
29114	Hamilton	Vickers Rd E. 18Th St	8728	1	10	18	28	43	72	20.8	101	60	13	
29118	Hamilton	Main St/W Hwy 403	8560	1	5	15	24	38	64	17.3	92	47	8	
31303	Toronto	Queen/University Osgoode	8624	1	4	9	16	27	45	12.2	72	38	0	
33003	Scarborough	Lawrence/Kennedy	8373	2	8	16	25	40	69	18.9	102	54	21	
34020	North York	Hendon Ave E. (Yonge/Finch)	8628	0	5	14	23	35	59	16.4	91	42	6	
35003	Ft.bicobce	Fincrest Rd (Centennial Pk)	8549	0	5	14	24	38	59	17.1	81	42	1	
35033	Ft.bicobce	Evans/Arnold Ave.	8114	2	6	13	22	38	67	17.0	90	50	9	
36030	York	Clearview Hgts/Keele St	8390	2	6	15	26	41	72	18.8	102	48	48	
44008	Burlington	Hwy 2/North Shore Blvd E.	8680	3	10	20	30	46	74	22.4	105	55	51	
44015	Oakville	Bronte Rd/Woburn Cres	8522	1	8	18	29	45	72	21.1	101	54	38	
45025	Oshawa	Pg. Ritson Rd/Olive Ave.	8585	5	13	21	29	40	61	21.9	93	50	9	
46110	Mississauga	Queensway W/Huronario St	8164	2	8	17	26	40	68	19.4	93	50	16	
47037	Elgert	Sideroad 10/Con 8	6513	15	25	33	39	50	74	32.6	96	61	30	

**TABLE 12 Ozone (O<sub>3</sub>) Statistics (1996)**

Unit: parts per billion (ppb)

Stn	City	Location	Valid Hrs	P E R C E N T I L E S							Arith.		Maximum		# of times above Criterion 1 h
				10%	30%	50%	70%	90%	99%	Mean	1h	24h			
48002	Stouffville	Hwy47/E Of Hwy48	8409	8	18	25	32	46	71	26.4	100	69		40	
49010	Dorset	Hwy 117/Paint Lake Rd.	8625	11	21	28	35	45	63	28.6	89	65		14	
51001	Ottawa	McG Gds, Rideau/Wurtenburg St.	7862	2	9	18	26	37	55	18.9	83	53		3	
52020	Kingston	Napier St	8621	1	10	20	28	40	66	20.9	83	62		8	
56051	Cornwall	Memorial Pk, Bedford/Third Sts.	8357	3	13	20	27	40	60	21.0	86	57		3	
59006	Peterborough	City Hall, 500 George St.	8739	7	18	25	33	44	67	26.0	90	64		18	
62030	Fort Frances	Portage/Church St.	7956	13	22	28	34	42	56	27.8	111	57		3	
63120	Cloud River	Cloud River	4004	16	27	33	37	44	56	INS	72	53		0	
63200	Thunder Bay	615 James St. S.	8763	3	14	22	28	36	47	21.0	64	44		0	
71068	Sault Ste Marie	Wm. Merrifield School	8708	5	14	22	30	41	56	22.8	94	64		14	
75010	North Bay	OPP Station	8368	7	18	26	32	42	62	25.4	99	68		19	
77203	Sudbury	Science North	8603	12	21	27	34	45	62	28.1	90	66		6	

Table 13 Summary Statistics for Real-time PM<sub>10</sub>/PM<sub>2.5</sub> for 1996

### Inhalable Particles PM<sub>10</sub> (TEOM)

Unit= Micrograms/m<sup>3</sup>

Station Number	City	Location	Valid Hrs	PERCENTILES							Arith Mean	Maximum		# of Times Above 24-Hour Criterion
				10	30	50	70	90	99	1 h		24 h		
12016	Windsor	College/South St	8429	10.0	16.0	21.0	28.0	47.0	87.7	25.60	349	105.88	16	
15025	London	900 Highbury Ave E	8633	6.0	11.0	16.0	22.0	36.0	70.0	19.44	192	65.83	14	
29000	Hamilton	Elgin/Kelly St	8507	8.0	14.0	20.0	30.0	55.0	112.0	27.12	213	84.25	41	
52020	Kingston	Churchill Pk, Napier St	8489	3.0	7.0	12.0	18.0	34.0	62.0	15.84	292	66.79	3	
71068	Sault Ste Marie	Wm. Merrifield School	6444	4.0	7.0	12.0	19.0	36.0	90.0	17.11	306	86.38	3	

Data from 6 urban monitoring locations  
PM<sub>10</sub> 24-Hour Interim AAQC is 50ug/m<sup>3</sup>

### Respirable Particles PM<sub>2.5</sub> (TEOM)

Unit = Micrograms/m<sup>3</sup>

Station Number	City	Location	Valid Hrs	PERCENTILES							Arith Mean	Maximum	
												1 h	24 h
				10	30	50	70	90	99				
35033	Elfblooke South	Evans/Arnold Ave	8631	6.0	9.0	11.0	16.0	25.0	52.0	13.93	135	61.9	



**TABLE 14 Total Suspended Particle (TSP) Statistics (1996)**

Unit= micrograms/cubic metre

TSP - 24h AAQC is 120 micrograms/m<sup>3</sup>

TSP - Annual AAQC is 60 micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S							Arith		Geom	# of Times Above Criteria	
				10%	30%	50%	70%	90%	99%	Max.	Mean	Mean	24h	1y	
11001	St Marys	309 Thomas St	45	27.6	36.0	47.0	61.8	87.6	141.8	151.0	54.0	46.9	3	0	
12006	La Salle	Bench Lane/Hwy 18	48	30.0	39.1	48.5	56.0	68.5	94.8	99.0	49.6	46.9	0	0	
12007	Windsor	Wright/Water St	42	42.0	48.3	57.0	66.5	82.5	95.2	96.0	59.0	56.7	0	0	
12008	Windsor	467 University Av W	49	42.8	51.4	58.0	66.6	84.4	100.0	100.0	60.2	57.9	0	1	
12009	Little River	9725 Riverside Dr E	48	28.4	38.0	43.5	51.9	66.0	82.1	84.0	45.7	43.4	0	0	
12011	Windsor	Drouillard Rd/Richmond St	49	43.2	53.4	58.0	69.2	86.4	118.4	129.0	63.2	60.5	1	1	
12013	Windsor	Filtrat Pt 3665 Wyandotte St E	52	41.1	54.3	66.0	79.0	111.7	165.5	167.0	71.3	65.5	4	1	
12015	Windsor	Savage Sin Hwy 18/Trospect	52	56.1	66.3	81.5	96.0	123.0	175.4	179.0	86.5	81.1	7	1	
12016	Windsor	College/South St	46	41.0	47.5	60.0	69.5	84.5	128.1	129.0	61.7	58.5	2	1	
12036	Windsor	1802 George Av	41	33.0	47.0	57.0	67.0	82.0	122.6	125.0	INS	INS	1	1	
12037	Windsor	3225 California St	51	35.0	42.0	49.0	56.0	71.0	92.0	94.0	51.2	48.8	0	0	
12038	Windsor	2885 Howard Av	49	49.0	74.8	89.0	97.6	123.0	183.0	206.0	87.3	79.9	7	1	
12053	Amherstburg	415 Front St	47	26.2	35.8	45.0	54.4	62.2	78.2	81.0	44.9	42.3	0	0	
12055	Amherstburg	Duff St (E End)	46	29.5	39.5	45.5	58.5	79.0	125.1	130.0	52.2	48.0	1	0	
12058	Windsor	Columbus Centre	49	30.0	41.4	55.0	65.8	79.4	104.1	106.0	55.5	51.9	0	0	
12060	Windsor	2335 Dougall Ave	47	37.2	48.8	52.0	61.4	73.6	102.7	111.0	55.6	53.2	0	0	
12061	Windsor	1531 Crawford Street	53	45.0	55.6	64.0	77.6	118.6	132.4	135.0	71.1	66.1	3	1	
14001	Samia	General Hospital, 220 Milton St	55	23.6	34.4	41.0	52.8	61.6	78.0	92.0	43.2	40.4	0	0	
14016	Courtright	Hwy40 (OPP Lambton GS)	54	20.9	27.9	33.0	45.0	53.0	72.6	80.0	36.4	33.6	0	0	
14030	Corunna	RR1 (W of House)	56	20.0	26.0	33.0	39.0	49.5	60.8	63.0	33.9	31.7	0	0	
14059	Corunna	St Clair Blvd/Hwy 40	52	17.1	28.0	38.0	47.7	57.9	87.9	93.0	39.2	34.7	0	0	
14064	Samia	Centennial Pk, Front St/Cn Tracks	49	33.6	40.4	48.0	56.8	67.4	90.9	101.0	49.1	46.7	0	0	
14151	Samia	David/Front St	54	27.3	33.9	43.5	60.0	77.9	117.6	125.0	49.8	44.6	1	0	
15008	St Thomas	Edgewater Rd (NNW Varta Pk)	50	19.8	27.0	35.0	43.3	60.3	78.6	82.0	37.7	34.4	0	0	
15009	Longwoods	Longwoods Conservation	50	13.0	19.7	29.5	35.0	45.0	60.6	65.0	28.9	26.1	0	0	
15025	London	900 Highway Ave	49	17.8	27.4	37.0	47.0	63.0	81.7	87.0	39.0	35.0	0	0	
17014	Beachville	Cyanamide Rd (Gordon Prop)	53	27.4	34.6	42.0	54.8	78.6	106.6	117.0	48.2	43.7	0	0	
17015	Beachville	26 Vine St (MOF Trailer)	53	20.4	34.0	43.0	53.4	70.0	81.4	85.0	44.4	40.5	0	0	
17020	Ingersoll	Hwy 2 Rty 2 (J Sprl Prop)	50	35.0	50.0	57.5	72.9	101.2	277.2	309.0	71.4	62.1	3	1	
17021	Embro	Oxford City Rd 6 (Hesston Farm)	54	29.5	43.9	54.5	69.0	84.4	136.5	155.0	58.0	50.5	1	0	

**TABLE 14 Total Suspended Particle (TSP) Statistics (1996)**

Unit = micrograms/cubic metre

TSP - 24h AAQC is 120 micrograms/m<sup>3</sup>

TSP - Annual AAQC is 60 micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S								Arith Mean	Geom Mean	# of Times Above Criteria	
				10%	30%	50%	70%	90%	95%	Max.				24h	1y
22904	Nanticoke	Walpole St. PS Sandusky Rd	55	22.0	29.0	34.0	38.0	51.2	73.6	86.0		35.3	33.3	0	0
22907	Nanticoke	Rainham Rd (Near Stelco Gate)	57	32.0	39.8	49.0	62.4	79.2	106.2	118.0		53.1	49.7	0	0
22964	Nanticoke	N/2 Km Nanticoke GS	52	18.0	25.6	34.0	42.7	49.8	85.3	95.0		35.4	31.9	0	0
26044	Kitchener	134 Lancaster St	31	19.0	27.0	34.0	46.0	54.0	78.4	88.0		INS	INS	0	INS
26046	Kitchener	778 Guelph St	28	17.0	22.1	24.5	30.0	45.6	47.7	48.0		INS	INS	0	INS
27008	St Catharines	71 King St	14	45.0	47.8	56.0	64.0	70.0	80.4	82.0		INS	INS	0	INS
27045	Welland	337 Alberta/Devon St	49	30.8	38.4	45.0	55.0	67.0	90.5	91.0		47.6	45.0	0	0
27047	Port Colborne	Davis/Frazer	12	31.0	52.9	58.5	69.4	71.8	80.0	81.0		INS	INS	0	INS
27052	Thorold	185 Queen St S	40	41.9	62.4	77.5	96.6	145.5	203.5	230.0		INS	INS	7	INS
27055	Niagara Falls	Ship Grounds, Stanley Ave	37	45.2	60.4	77.0	97.2	115.4	152.1	164.0		INS	INS	2	INS
27072	Niagara Falls	Stanley Ave/Ivory 420	24	40.6	44.8	51.5	57.6	68.0	85.4	90.0		INS	INS	0	INS
29000	Hamilton	Elgin/Kelly St	52	32.2	42.3	60.5	76.1	118.9	169.0	170.0		69.3	60.9	5	1
29009	Hamilton	Kentworth	43	36.8	54.6	66.0	80.4	113.6	144.8	157.0		72.3	65.8	4	1
29011	Hamilton	Burlington/Leeds	48	48.8	61.1	79.0	126.7	166.8	199.5	208.0		94.1	83.5	15	1
29012	Hamilton	Burlington/Wellington	38	39.0	56.3	67.5	89.2	110.6	156.8	159.0		INS	INS	3	INS
29017	Hamilton	Chatham/Frid	12	29.6	52.2	66.5	70.1	136.9	143.9	144.0		INS	INS	2	INS
29025	Hamilton	Barton/Wentworth	53	42.2	52.8	68.0	90.4	131.8	177.5	178.0		79.6	71.5	8	1
29098	Hamilton	Ivory/Main St	17	32.6	39.0	52.0	75.0	126.6	134.9	136.0		INS	INS	3	INS
29102	Hamilton	467 Beach Blvd	52	34.1	51.3	67.5	85.7	113.2	141.8	152.0		71.3	64.8	3	1
29105	Hamilton	Nash Rd/Kentley Dr	17	37.8	42.2	54.0	66.4	91.4	104.6	107.0		INS	INS	0	INS
29111	Greensville	Offield Rd/Ivory 5	48	34.5	47.0	67.5	91.9	125.5	165.1	175.0		74.4	65.7	6	1
29113	Hamilton	Gertrude/Depew	52	49.0	59.3	85.0	136.1	185.9	310.9	341.0		107.0	91.1	17	1
29114	Hamilton	Vickers Rd/East 18Th St	48	27.7	36.0	48.0	59.8	80.5	104.0	112.0		50.5	46.1	0	0
29118	Hamilton	Main St W/Hwy403	50	28.9	35.0	48.0	62.0	90.5	102.0	103.0		52.4	47.8	0	0
29119	Hamilton	Morley St/Parkdale Av	49	45.4	56.0	69.0	84.6	107.0	139.6	155.0		73.6	69.5	2	1
29122	Hamilton	Dundurn/York	43	25.2	35.2	43.0	51.6	72.8	90.4	95.0		45.4	41.8	0	0
29135	Hamilton	Albright Rd/Mt Albion Rd	16	30.5	33.0	49.5	58.0	73.5	83.4	85.0		INS	INS	0	INS
29143	Hamilton	Keeler Court (MOE Air Shop)	39	39.8	59.0	66.0	74.6	99.2	118.3	121.0		INS	INS	1	INS
31045	Toronto	Bruce Pk 511 Archmount Av	162	26.1	38.3	48.0	62.0	85.8	125.7	150.0		53.6	48.2	3	0
31058	Toronto	Mosley/Leslie Sts	257	26.6	40.0	52.0	68.0	94.2	153.6	282.0		58.1	51.0	9	0
31065	Toronto	633 Eastern Av	257	27.6	40.0	51.0	64.2	94.4	187.0	226.0		57.3	50.5	8	0

**TABLE 14 Total Suspended Particle (TSP) Statistics (1996)**

Unit= micrograms/cubic metre

TSP - 24h AAQC is 120 micrograms/m<sup>3</sup>

TSP - Annual AAQC is 60 micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S								Arith Mean	Geom Mean	# of Times Above Criteria	
				10%	30%	50%	70%	90%	99%	Max.				24h	1y
31082	Toronto	Works Dept., 138 Hamilton Av	269	29.0	41.4	53.0	66.6	89.4	128.0	167.0		56.8	51.1	6	0
31303	Toronto	Toronto (Osgoode)	24	65.2	83.6	108.0	119.8	143.7	150.8	151.0		INS	INS	7	1
46117	Mississauga	Meadow Pk, Apple Lane Club	52	24.0	30.0	37.5	51.4	75.5	88.9	92.0		42.6	38.6	0	0
62032	Port Frances	Cemetery, Colonization Rd W	46	10.5	15.5	19.5	27.5	37.0	55.7	62.0		23.0	20.4	0	0
62035	Port Frances	Legion Bldg, 250 Church St	20	12.5	23.4	38.5	60.3	87.1	110.0	113.0		INS	INS	0	1
63046	Thunder Bay	Can-Car Montreal St	54	14.0	23.9	34.5	48.1	77.7	124.8	138.0		41.7	34.1	1	0
63121	Thunder Bay	Lucasac Drive	54	10.6	19.0	23.0	30.2	49.1	93.7	125.0		28.6	23.9	1	0
63200	Thunder Bay	MTG 615 James St S	22	16.0	28.8	41.0	48.0	94.0	129.4	138.0		INS	INS	1	1
71042	Sault Ste Marie	Pumphouse, Bonney St	49	32.2	60.0	93.0	129.8	191.4	269.9	292.0		103.1	83.7	16	1
71049	Sault Ste Marie	Land Office, Queen St	25	25.8	36.0	47.0	57.0	72.4	104.2	110.0		INS	INS	0	1
72063	Sault Ste Marie	Wm. Merrifield School	22	36.0	62.0	72.0	105.7	145.6	194.1	201.0		INS	INS	4	1
72083	Hearst	Trembley St (E of Quirion)	58	36.4	48.5	76.0	116.8	198.7	408.8	455.0		106.2	81.7	16	1
72102	Englehart	Kap-Kig-Wan Rd	61	9.0	18.0	27.0	36.0	48.0	79.4	104.0		29.3	24.4	0	0
72103	Englehart	128 King St	32	14.1	23.3	29.0	38.4	50.9	79.1	85.0		INS	INS	0	1
72107	Englehart	Englehart	61	14.0	20.0	29.0	38.0	52.0	71.4	75.0		31.4	27.4	0	0
77026	Sudbury	19 Lisgar St	19	37.8	44.0	53.0	56.6	67.6	80.7	83.0		INS	INS	0	1
77070	Copper Cliff	Pumphouse Nickel St	18	28.0	36.2	44.0	47.0	55.3	61.0	62.0		INS	INS	0	1



**TABLE 15 Lead (Pb) in TSP Statistics (1996)**

Unit = micrograms/m<sup>3</sup>

Pb 24-hour AAQC is 2.0 micrograms/m<sup>3</sup>

City	Location	Number of Samples	P E R C E N T I L E S							Arith Mean	Geom Mean	# of Times Above Criterion 24 h
			10%	30%	50%	70%	90%	99%	Max			
12007 Windsor	Wright/Water St	42	0.01	0.01	0.02	0.03	0.04	0.05	0.05	0.02	0.01	0
12008 Windsor	467 University Av W	49	0.01	0.02	0.02	0.03	0.04	0.06	0.06	0.02	0.02	0
12009 Little River	9725 Riverside Dr E	48	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0
12011 Windsor	Drouillard Rd/Richmond St	49	0.01	0.01	0.01	0.02	0.04	0.06	0.06	0.02	0.01	0
12013 Windsor	Filtrat Pk 3665 Wyandotte St E	52	0.01	0.01	0.02	0.03	0.05	0.06	0.07	0.02	0.01	0
12015 Windsor	Sewage Sln Hwy 18/Prospect	52	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.02	0.01	0
12016 Windsor	College/South St	46	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.02	0.01	0
12038 Windsor	2885 Howard Av	49	0.01	0.02	0.03	0.07	0.14	0.68	0.79	0.08	0.03	0
12058 Windsor	Columbus Centre	36	0.01	0.01	0.02	0.04	0.04	0.05	0.05	INS	INS	0
12060 Windsor	2335 Dougall Ave	48	0.01	0.01	0.02	0.02	0.04	0.36	0.51	0.04	0.01	0
12061 Windsor	1531 Crawford St	53	0.01	0.01	0.02	0.02	0.04	2.14	4.00	0.10	0.01	1
14016 Courtright	Hwy40 (OPR Lambton GS)	54	0.01	0.01	0.01	0.02	0.03	0.08	0.11	0.01	0.01	0
14030 Coruna	Rt1 (W of House)	56	0.01	0.01	0.01	0.01	0.02	0.05	0.05	0.01	0.01	0
14064 Sarnia	Centennial Pk, Front St/Cn Tracks	49	0.01	0.01	0.01	0.02	0.03	0.06	0.06	0.01	0.01	0
15009 Longwoods	Longwoods Conservation	50	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.01	0
15025 London	900 Highbury Ave	13	0.01	0.01	0.01	0.01	0.02	0.02	0.02	INS	INS	0
22907 Nanticoke	Rainham Rd (Near Stelco Gate)	19	0.01	0.01	0.01	0.02	0.04	0.08	0.09	INS	INS	0
27008 St Catharines	71 King St	14	0.01	0.02	0.02	0.03	0.04	0.04	0.04	INS	INS	0
27047 Port Colborne	Davis/Frazer	12	0.01	0.01	0.02	0.02	0.03	0.06	0.06	INS	INS	0
27052 Thorold	185 Queen St S	34	0.01	0.01	0.02	0.03	0.04	0.06	0.06	INS	INS	0
29011 Hamilton	Burlington/Leeds	49	0.01	0.03	0.05	0.07	0.09	0.11	0.11	0.05	0.04	0
29012 Hamilton	Burlington/Wellington	9	0.01	0.01	0.01	0.01	0.03	0.05	0.05	INS	INS	0
29025 Hamilton	Barton/Wentworth	53	0.01	0.02	0.03	0.06	0.15	0.17	0.17	0.05	0.03	0
29098 Hamilton	Bay/Main St	9	0.01	0.01	0.01	0.01	0.05	0.09	0.09	INS	INS	0
29102 Hamilton	467 Beach Blvd	52	0.01	0.01	0.01	0.02	0.06	0.12	0.12	0.02	0.01	0
29114 Hamilton	Vickers Rd/East 18th St	48	0.01	0.01	0.01	0.02	0.04	0.09	0.11	0.02	0.01	0
31045 Toronto	Bruce Ps 51 Larchmount Av	167	0.01	0.01	0.01	0.03	0.08	0.20	0.24	0.03	0.01	0
31058 Toronto	Mosley/Leslie Sts	264	0.02	0.04	0.07	0.20	0.53	1.14	2.90	0.19	0.08	1
31065 Toronto	633 Eastern Av	266	0.01	0.02	0.04	0.14	0.42	1.10	1.30	0.15	0.04	0
31082 Toronto	Works Dept. 138 Hamilton Av	274	0.01	0.01	0.01	0.01	0.03	0.09	0.12	0.01	0.01	0
31303 Toronto	Toronto (Ogoode)	24	0.01	0.01	0.02	0.03	0.04	0.05	0.05	INS	INS	0
46047 Mississauga	Mississauga Rd S/Port St	16	0.31	0.65	1.20	2.55	4.50	5.20	5.30	INS	INS	6
46117 Mississauga	Meadow Pk, Apple Lane Club	52	0.01	0.01	0.01	0.01	0.02	0.04	0.05	0.01	0.01	0
63200 Thunder Bay	MTG 615 James St S	22	0.01	0.01	0.01	0.01	0.01	0.04	0.05	INS	INS	0
71042 Sault Ste Marie	Pumphouse, Bonney St	49	0.01	0.01	0.01	0.02	0.11	0.94	1.20	0.07	0.01	0
71049 Sault Ste Marie	Land Office, Queen St	25	0.01	0.01	0.01	0.02	0.02	0.03	0.03	INS	INS	0
71068 Sault Ste Marie	Wm. Merrifield School	22	0.01	0.01	0.02	0.03	0.07	0.07	0.07	INS	INS	0
77026 Sudbury	19 Ligar St	19	0.01	0.02	0.03	0.03	0.05	0.07	0.07	INS	INS	0
77070 Copper Cliff	Pumphouse Nickel St	18	0.01	0.02	0.04	0.06	0.10	0.11	0.11	INS	INS	0



**TABLE 16 Iron (Fe) in TSP Statistics (1996)**

Unit: micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S						Max	Arith. Mean	Geom. Mean
				10%	30%	50%	70%	90%	99%			
12007	Windsor	Wright/Water St	42	0.6	1.0	1.5	2.3	3.5	4.5	4.7	1.8	1.5
12008	Windsor	467 University Av W	49	0.5	0.7	0.9	1.4	2.0	3.1	3.6	1.1	1.0
12011	Windsor	Drouillard Rd/Richmond St	49	0.7	0.8	1.0	1.3	2.1	3.1	3.2	1.2	1.1
12013	Windsor	Filtrat Pk 3665 Wyandotte St E	52	0.5	0.7	1.3	2.0	4.3	12.5	15.0	2.1	1.4
12015	Windsor	Sewage Stn Hwy 18/Prospect	52	0.7	1.2	1.7	2.5	3.9	8.6	9.4	2.1	1.7
12016	Windsor	College/South St	46	0.5	1.0	1.3	1.9	2.7	5.0	5.0	1.5	1.2
12038	Windsor	2885 Howard Av	49	1.5	3.4	6.3	9.5	16.0	44.1	47.0	8.8	5.6
12058	Windsor	Columbus Centre	36	0.8	1.0	1.4	2.2	4.1	7.9	9.4	INS	INS
12060	Windsor	2335 Dougall Ave	48	0.6	0.8	1.0	1.3	1.8	4.4	5.8	1.2	1.0
12061	Windsor	1531 Crawford St	53	0.7	1.0	1.4	1.8	3.5	5.8	6.4	1.7	1.4
14016	Courtright	Hwy40 (OPP Lambton GS)	54	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.3	0.2
14030	Corunna	Rt1 (W of House)	56	0.1	0.1	0.2	0.3	0.5	0.6	0.6	0.2	0.2
14064	Samia	Centennial Pk. Front St/Cn Tracks	49	0.2	0.3	0.4	0.5	0.7	1.2	1.2	0.4	0.3
15009	Longwoods	Longwoods Conservation	50	0.1	0.1	0.2	0.3	0.5	2.7	4.8	0.3	0.1
15025	London	900 Highbury Ave	13	0.2	0.4	0.4	0.5	0.8	1.0	1.0	INS	INS
22907	Nanticoke	Rainham Rd (Near Stelco Gate)	19	0.3	0.7	1.2	1.9	2.9	3.5	3.5	INS	INS
27008	St Catharines	71 King St	14	0.3	0.5	0.5	0.6	1.1	1.9	2.0	INS	INS
27047	Port Colborne	Davis/Frazer	12	0.2	0.4	0.4	0.5	0.8	0.9	0.9	INS	INS
27052	Thorold	185 Queen St S	34	0.5	1.0	1.1	1.3	3.7	5.1	5.5	INS	INS
29011	Hamilton	Burlington/Leeds	49	1.0	2.0	3.8	5.2	8.4	14.1	17.0	4.4	3.3
29012	Hamilton	Burlington/Wellington	9	0.2	0.4	0.5	0.6	1.5	2.4	2.5	INS	INS
29025	Hamilton	Barton/Wentworth	53	0.6	1.0	1.6	3.2	7.4	10.9	12.0	2.8	1.8
29098	Hamilton	Bay/Main St	9	0.2	0.4	0.5	0.9	1.7	1.7	1.7	INS	INS
29102	Hamilton	467 Beach Blvd	52	0.4	1.4	2.0	2.9	4.3	7.2	8.1	2.3	1.7
29114	Hamilton	Vickers Rd/East 18Th St	48	0.2	0.3	0.6	1.2	2.6	6.0	6.4	1.1	0.6
31058	Toronto	Mosley/Leslie Sts	264	0.3	0.6	0.7	1.1	1.8	2.8	4.2	0.9	0.7
31303	Toronto	Toronto (Osgoode)	10	2.0	2.1	2.8	3.3	3.6	4.0	4.0	INS	INS
46117	Mississauga	Meadow Pk, Apple Lane Club	52	0.1	0.2	0.3	0.5	0.6	1.0	1.1	0.4	0.3
71042	Sault Ste Marie	Pumphouse, Boiney St	49	0.9	1.7	3.4	7.7	20.6	46.6	49.0	8.1	4.0
71049	Sault Ste Marie	Land Office, Queen St	25	0.2	0.6	1.2	1.8	2.3	2.7	2.7	INS	INS
71068	Sault Ste Marie	Wm. Merrifield School	22	0.3	1.1	1.8	3.0	4.4	8.9	10.0	INS	INS
77026	Sudbury	19 Lisgar St	19	0.4	0.6	0.9	1.1	1.5	2.2	2.3	INS	INS
77070	Copper Cliff	Pumphouse Nickel St.	18	0.2	0.5	0.7	1.2	1.6	4.5	5.1	INS	INS

**TABLE 17 Manganese (Mn) in TSP Statistics (1996)**

Unit = micrograms/m<sup>3</sup>  
Mn - 24h AAQC is 2.5 micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S							Arith Mean	Geom Mean	# of times Above Criterion 24 h
				10%	30%	50%	70%	90%	99%	Max			
12007	Windsor	Wright/Water St	42	0.020	0.029	0.040	0.060	0.080	0.112	0.120	0.048	0.041	0
12008	Windsor	467 University Av W	49	0.018	0.027	0.030	0.039	0.056	0.087	0.091	0.036	0.032	0
12011	Windsor	Drouillard Rd/Richmond St	49	0.018	0.025	0.034	0.043	0.077	0.146	0.180	0.042	0.035	0
12013	Windsor	Filtrat Pkt 3665 Wyandotte St E	52	0.016	0.030	0.047	0.072	0.179	0.507	0.680	0.084	0.051	0
12015	Windsor	Sewage Stn Hwy 18/Prospect	52	0.023	0.034	0.052	0.073	0.118	0.234	0.300	0.063	0.050	0
12016	Windsor	College/South St	46	0.019	0.028	0.043	0.058	0.100	0.723	1.200	0.073	0.041	0
12038	Windsor	2885 Howard Av	49	0.032	0.064	0.092	0.140	0.244	0.532	0.580	0.125	0.087	0
12058	Windsor	Columbus Centre	36	0.022	0.029	0.034	0.052	0.076	0.102	0.110	INS	INS	0
12060	Windsor	2335 Dougall Ave	48	0.016	0.023	0.029	0.040	0.054	0.087	0.097	0.033	0.027	0
12061	Windsor	1531 Crawford St	53	0.018	0.029	0.042	0.051	0.076	0.149	0.170	0.046	0.039	0
14016	Courtright	Hwy40 (OPP Lambton GS)	54	0.001	0.004	0.008	0.010	0.015	0.031	0.044	0.008	0.005	0
14030	Corunna	Rt1 (W of House)	56	0.001	0.004	0.007	0.009	0.012	0.018	0.019	0.007	0.005	0
14064	Sarnia	Centennial Pk, Front St/Cn Tracks	49	0.006	0.009	0.012	0.017	0.019	0.023	0.024	0.013	0.011	0
15009	Longwoods	Longwoods Conservation	50	0.001	0.002	0.006	0.011	0.016	0.083	0.140	0.010	0.005	0
15025	London	900 Highway Ave	13	0.008	0.014	0.017	0.025	0.027	0.038	0.039	INS	INS	0
22907	Nanticoke	Rainham Rd (Near Stelco Gate)	19	0.012	0.029	0.047	0.074	0.114	0.138	0.140	INS	INS	0
27008	St Catharines	71 King St	14	0.018	0.024	0.033	0.038	0.045	0.089	0.095	INS	INS	0
27047	Port Colborne	Davis/Frazer	12	0.014	0.016	0.023	0.027	0.040	0.088	0.094	INS	INS	0
27052	Thorold	185 Queen St S	34	0.018	0.038	0.050	0.064	0.131	0.204	0.220	INS	INS	0
29011	Hamilton	Burlington/Leeds	49	0.081	0.154	0.230	0.360	0.502	1.116	1.500	0.290	0.228	0
29012	Hamilton	Burlington/Wellington	9	0.012	0.026	0.037	0.047	0.101	0.199	0.210	INS	INS	0
29025	Hamilton	Barton/Wentworth	53	0.052	0.076	0.130	0.272	0.518	2.632	4.400	0.288	0.145	1
29098	Hamilton	Bay/Main St	9	0.016	0.023	0.031	0.051	0.103	0.136	0.140	INS	INS	0
29102	Hamilton	467 Beach Blvd	52	0.024	0.071	0.100	0.150	0.209	0.329	0.370	0.117	0.088	0
29114	Hamilton	Vickers Rd/East 18Th St	48	0.010	0.018	0.025	0.047	0.120	0.281	0.290	0.053	0.031	0
31058	Toronto	Mosley/Leslie Sts	264	0.013	0.023	0.032	0.047	0.074	0.141	0.180	0.039	0.031	0
31303	Toronto	Toronto (Osgoode)	10	0.068	0.084	0.105	0.123	0.132	0.148	0.150	INS	INS	0
46117	Mississauga	Meadow Pk, Apple Lane Club	52	0.006	0.010	0.014	0.019	0.025	0.043	0.050	0.015	0.013	0
71042	Sault Ste Marie	Pumphouse, Bonney St	49	0.046	0.128	0.210	0.306	0.740	1.132	1.300	0.302	0.193	0
71049	Sault Ste Marie	Land Office, Queen St	25	0.017	0.033	0.061	0.095	0.152	0.720	0.890	INS	INS	0
71068	Sault Ste Marie	Wm. Merrifield School	22	0.022	0.060	0.110	0.188	0.309	0.787	0.890	INS	INS	0
77026	Sudbury	19 Lisgar St	19	0.012	0.018	0.019	0.025	0.031	0.035	0.036	INS	INS	0
77070	Copper Cliff	Pumphouse Nickel St	18	0.005	0.010	0.015	0.020	0.023	0.036	0.038	INS	INS	0

**TABLE 18 Nickel (Ni) in TSP Statistics (1996)**

Unit = micrograms/m<sup>3</sup>

Ni - 24h AAQC is 2.0 micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S					Arith Mean	Geom Mean	# of times Above Criterion 24 h
				10%	30%	50%	70%	90%			
12007	Windsor	Wright/Water St	42	0.006	0.007	0.008	0.010	0.013	0.016	0.009	0
12008	Windsor	467 University Av W	49	0.001	0.005	0.007	0.010	0.015	0.025	0.008	0
12011	Windsor	Drouillard Rd/Richmond St	49	0.002	0.005	0.007	0.010	0.016	0.030	0.008	0
12013	Windsor	Filtrat Pk 3665 Wyandotte St E	52	0.003	0.005	0.006	0.010	0.020	0.035	0.007	0
12015	Windsor	Sewage Stn Hwy 18/Prospect	52	0.002	0.004	0.009	0.012	0.019	0.027	0.009	0
12016	Windsor	College/South St	46	0.002	0.005	0.008	0.012	0.014	0.035	0.009	0
12038	Windsor	2885 Howard Av	49	0.002	0.006	0.008	0.011	0.017	0.032	0.007	0
12058	Windsor	Columbus Centre	36	0.002	0.006	0.008	0.012	0.017	0.030	0.007	0
12060	Windsor	2335 Dougall Ave	48	0.001	0.004	0.006	0.008	0.014	0.017	0.019	0
12061	Windsor	1531 Crawford St	53	0.002	0.005	0.008	0.011	0.020	0.028	0.031	0
14016	Courtright	Hwy40 (OPP Lambton GS)	54	0.001	0.003	0.005	0.008	0.017	0.030	0.004	0
14030	Coruna	Rrl (W of House)	56	0.001	0.001	0.003	0.005	0.008	0.015	0.004	0
14064	Sarnia	Centennial Pk, Front St/Cn Tracks	49	0.002	0.004	0.007	0.012	0.039	0.097	0.110	0
15009	Longwoods	Longwoods Conservation	50	0.001	0.001	0.002	0.004	0.006	0.016	0.003	0
15025	London	900 Highbury Ave	13	0.003	0.005	0.005	0.008	0.013	0.016	0.016	0
22907	Nanticoke	Rainham Rd (Near Stelco Gate)	19	0.005	0.007	0.008	0.009	0.012	0.012	0.012	0
27008	St Catharines	71 King St	14	0.004	0.006	0.007	0.008	0.010	0.012	0.012	0
27047	Port Colborne	Davis/Frazer	12	0.002	0.006	0.012	0.017	0.035	0.063	0.066	0
27052	Thorold	185 Queen St S	34	0.005	0.007	0.013	0.018	0.074	0.140	0.150	0
29011	Hamilton	Burlington/Leeds	49	0.003	0.009	0.014	0.021	0.028	0.043	0.048	0
29012	Hamilton	Burlington/Wellington	9	0.001	0.002	0.002	0.003	0.008	0.011	0.011	0
29025	Hamilton	Barton/Wentworth	53	0.003	0.007	0.009	0.015	0.027	0.036	0.038	0
29098	Hamilton	Bay/Main St	9	0.003	0.004	0.006	0.008	0.011	0.013	0.013	0
29102	Hamilton	467 Beach Blvd	52	0.001	0.004	0.009	0.014	0.018	0.022	0.024	0
29114	Hamilton	Vickers Rd/East 181th St	48	0.001	0.001	0.003	0.006	0.009	0.021	0.024	0
31058	Toronto	Mosley/Leslie Sts	264	0.001	0.003	0.006	0.009	0.015	0.043	0.030	0
31303	Toronto	Toronto (Osgoode)	10	0.006	0.010	0.012	0.013	0.016	0.020	0.020	0
46117	Mississauga	Meadow Pk, Apple Lane Club	52	0.001	0.002	0.003	0.005	0.010	0.013	0.013	0
71042	Sault Ste Marie	Pumphouse, Bomney St	49	0.001	0.004	0.011	0.020	0.045	0.130	0.140	0
71049	Sault Ste Marie	Land Office, Queen St	25	0.002	0.003	0.005	0.010	0.010	0.012	0.012	0
71068	Sault Ste Marie	Wm. Merrifield School	22	0.004	0.005	0.008	0.014	0.017	0.031	0.035	0
77026	Sudbury	19 Ligat St	19	0.028	0.038	0.097	0.198	0.586	1.069	1.100	0
77070	Copper Cliff	Pumphouse Nickel St.	18	0.070	0.144	0.225	0.278	0.708	1.349	1.400	0



**TABLE 19 Chromium (Cr) in TSP Statistics (1996)**

Units = micrograms/m<sup>3</sup>

Cr - 24h AAQC is 1.5 microgram/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S							Arith. Mean	Geom Mean	# of times Above Criterion 24 h
				10%	30%	50%	70%	90%	99%	Max			
12007	Windsor	Wright/Water St	42	0.006	0.011	0.012	0.015	0.021	0.029	0.029	0.013	0.012	0
12008	Windsor	467 University Av W	49	0.004	0.007	0.009	0.012	0.018	0.022	0.022	0.010	0.008	0
12011	Windsor	Drouillard Rd/Richmond St	49	0.001	0.004	0.008	0.013	0.017	0.028	0.033	0.009	0.006	0
12013	Windsor	Filtrat PH 3665 Wyandotte St E	52	0.001	0.005	0.010	0.015	0.031	0.098	0.130	0.015	0.008	0
12015	Windsor	Sewage Stn Hwy 18/Prospect	52	0.002	0.006	0.010	0.017	0.026	0.042	0.044	0.013	0.009	0
12016	Windsor	College/South St	46	0.002	0.007	0.010	0.014	0.020	0.056	0.077	0.012	0.008	0
12038	Windsor	2885 Howard Av	49	0.010	0.024	0.038	0.062	0.108	0.241	0.260	0.055	0.034	0
12058	Windsor	Columbus Centre	36	0.006	0.008	0.012	0.016	0.026	0.033	0.033	INS	INS	0
12060	Windsor	2335 Douglass Ave	48	0.001	0.006	0.009	0.012	0.016	0.030	0.035	0.010	0.007	0
12061	Windsor	1531 Crawford St	53	0.005	0.009	0.011	0.016	0.028	0.073	0.100	0.015	0.011	0
14016	Courtright	Hwy40 (OPP Lambton GS)	54	0.001	0.001	0.004	0.006	0.009	0.035	0.059	0.005	0.003	0
14030	Courtna	Rt1 (W of House)	56	0.001	0.001	0.002	0.004	0.008	0.011	0.011	0.003	0.002	0
14064	Sarnia	Centennial Pk, Front St/Cn Tracks	49	0.001	0.001	0.003	0.004	0.007	0.010	0.010	0.003	0.003	0
15009	Longwoods	Longwoods Conservation	50	0.001	0.001	0.001	0.004	0.005	0.018	0.028	0.003	0.002	0
15025	London	900 Highbury Ave	13	0.001	0.001	0.003	0.004	0.006	0.010	0.011	INS	INS	0
22907	Nanticoke	Rainham Rd (Near Steele Gate)	19	0.003	0.007	0.012	0.014	0.022	0.023	0.023	INS	INS	0
27008	St Catharines	71 King St	14	0.001	0.005	0.011	0.012	0.017	0.055	0.060	INS	INS	0
27047	Port Colborne	Davis/Frazer	12	0.001	0.004	0.005	0.006	0.009	0.016	0.017	INS	INS	0
27052	Thorold	185 Queen St S	34	0.126	0.266	0.480	0.802	3.240	5.639	6.200	INS	INS	5
29011	Hamilton	Burlington/Acels	49	0.024	0.044	0.072	0.092	0.140	0.215	0.220	0.077	0.062	0
29012	Hamilton	Burlington/Wellington	9	0.002	0.005	0.006	0.006	0.040	0.130	0.140	INS	INS	0
29025	Hamilton	Barton/Wentworth	53	0.009	0.014	0.025	0.072	0.190	0.424	0.450	0.071	0.032	0
29098	Hamilton	Bay/Main St	9	0.002	0.002	0.004	0.014	0.036	0.063	0.066	INS	INS	0
29102	Hamilton	467 Beach Blvd	52	0.002	0.010	0.018	0.026	0.044	0.065	0.070	0.020	0.014	0
29114	Hamilton	Vickers Rd/East 18Th St	48	0.001	0.003	0.006	0.014	0.032	0.084	0.086	0.014	0.006	0
31303	Toronto	Toronto (Osgoode)	10	0.015	0.018	0.027	0.029	0.033	0.037	0.037	INS	INS	0
46117	Mississauga	Meadow Pk, Apple Lane Club	52	0.001	0.002	0.003	0.005	0.009	0.014	0.015	0.004	0.003	0
71042	Sault Ste Marie	Pumphouse, Bonney St	49	0.004	0.016	0.031	0.053	0.102	0.195	0.200	0.044	0.024	0
71049	Sault Ste Marie	Land Office, Queen St	25	0.001	0.004	0.007	0.013	0.017	0.019	0.019	INS	INS	0
71068	Sault Ste Marie	Wm. Merrifield School	22	0.003	0.007	0.012	0.021	0.034	0.083	0.094	INS	INS	0
77026	Sudbury	19 Lisgar St	19	0.001	0.002	0.005	0.007	0.010	0.015	0.016	INS	INS	0
77070	Copper Cliff	Pumphouse Nickel St.	18	0.001	0.002	0.003	0.008	0.013	0.028	0.031	INS	INS	0
77070	Copper Cliff	Pumphouse Nickel St.	18	0.001	0.002	0.005	0.008	0.013	0.028	0.031	INS	INS	0



**TABLE 20 Vanadium (V) in TSP Statistics (1996)**

Unit = micrograms/m<sup>3</sup>

V - 24h AAQC is 2.0 micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S					Arith Mean	Geom Mean	# of times above Criterion 24 h
				10%	30%	50%	70%	90%			
12007	Windsor	Wright/Water St	42	0.001	0.001	0.003	0.008	0.012	0.016	0.017	0.003
12008	Windsor	467 University Av W	49	0.001	0.001	0.003	0.006	0.012	0.018	0.019	0.003
12011	Windsor	Drouillard Rd/Richmond St	49	0.001	0.001	0.004	0.008	0.010	0.013	0.014	0.003
12013	Windsor	Fillett Plt 3665 Wyandotte St E	52	0.001	0.001	0.002	0.006	0.013	0.028	0.034	0.003
12015	Windsor	Sewage Sin Hwy 18/Prospect	52	0.001	0.001	0.004	0.008	0.013	0.022	0.023	0.006
12016	Windsor	College/South St	46	0.001	0.001	0.001	0.006	0.010	0.017	0.017	0.004
12038	Windsor	2885 Howard Av	49	0.001	0.006	0.014	0.027	0.063	0.083	0.084	0.010
12058	Windsor	Columbus Centre	36	0.001	0.003	0.006	0.007	0.011	0.013	0.014	INS
12060	Windsor	2335 Dougall Ave	48	0.001	0.001	0.002	0.005	0.010	0.016	0.017	0.004
12061	Windsor	1531 Crawford St	53	0.001	0.001	0.004	0.006	0.010	0.019	0.022	0.005
14016	Courtright	Hwy40 (OPP Lambton GS)	54	0.001	0.001	0.002	0.006	0.017	0.034	0.038	0.003
14030	Corunna	Rrl (W of House)	56	0.001	0.001	0.001	0.002	0.005	0.030	0.046	0.002
14064	Sarnia	Centennial Pk, Front St/Cn Tracks	49	0.001	0.001	0.002	0.009	0.054	0.161	0.180	0.018
15009	Longwoods	Longwoods Conservation	50	0.001	0.001	0.001	0.001	0.002	0.006	0.007	0.001
15025	London	900 Highway Ave	13	0.001	0.001	0.001	0.001	0.001	0.001	0.001	INS
22907	Nanticoke	Rainham Rd (Near Stelco Gate)	19	0.001	0.001	0.004	0.006	0.008	0.010	0.011	INS
27008	St Catharines	71 King St	14	0.001	0.001	0.001	0.001	0.003	0.007	0.008	INS
27047	Port Colborne	Davis/Frazer	12	0.001	0.001	0.001	0.001	0.001	0.002	0.002	INS
27052	Thorold	185 Queen St S	34	0.001	0.008	0.013	0.019	0.070	0.094	0.097	INS
29011	Hamilton	Burlington/Leeds	49	0.001	0.006	0.013	0.021	0.027	0.045	0.045	0.009
29012	Hamilton	Burlington/Wellington	9	0.001	0.001	0.002	0.005	0.008	0.013	0.014	INS
29025	Hamilton	Barton/Wentworth	53	0.001	0.004	0.007	0.015	0.027	0.035	0.038	0.011
29098	Hamilton	Bay/Main St	9	0.001	0.001	0.003	0.005	0.007	0.009	0.009	INS
29102	Hamilton	467 Beach Blvd	52	0.001	0.001	0.004	0.010	0.017	0.022	0.023	0.004
29114	Hamilton	Vickers Rd/East 18th St	48	0.001	0.001	0.001	0.004	0.010	0.024	0.025	0.004
31058	Toronto	Mosley/Leslie Sts	264	0.001	0.001	0.001	0.004	0.008	0.017	0.021	0.002
31303	Toronto	Toronto (Osgoode)	10	0.009	0.012	0.013	0.016	0.018	0.019	0.019	INS
46117	Mississauga	Meadow Pk, Apple Lane Club	52	0.001	0.001	0.001	0.001	0.005	0.007	0.008	0.002
71042	Sault Ste Marie	Pumphouse, Bomsey St	49	0.001	0.003	0.009	0.020	0.031	0.100	0.120	0.017
71049	Sault Ste Marie	Land Office, Queen St	25	0.001	0.001	0.003	0.007	0.011	0.014	0.015	INS
71068	Sault Ste Marie	Wm. Merrifield School	22	0.001	0.001	0.002	0.006	0.018	0.034	0.036	INS
77026	Sudbury	19 Lisgar St	19	0.001	0.001	0.004	0.007	0.009	0.009	0.009	INS
77070	Copper Cliff	Pumphouse Nickel St.	18	0.001	0.001	0.002	0.004	0.007	0.011	0.012	INS

**TABLE 21 Copper (Cu) in TSP Statistics ( 1996)**

Unit = micrograms/m<sup>3</sup>

Cu - 24h AAQC is 50 micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S							Arith Mean	Geom Mean	# of times Above Criterion 24 h
				10%	30%	50%	70%	90%	99%	Max			
12007	Windsor	Wright/Water St	42	0.01	0.02	0.04	0.05	0.08	0.13	0.15	0.04	0.03	0
12008	Windsor	467 University Av W	49	0.02	0.02	0.03	0.04	0.05	0.07	0.07	0.03	0.03	0
12011	Windsor	Drouillard Rd/Richmond St	49	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.02	0.02	0
12013	Windsor	Filtrat Pli 3665 Wyandotte St E	52	0.01	0.02	0.03	0.04	0.04	0.07	0.08	0.03	0.02	0
12015	Windsor	Sewage Stn Hwy 18/Prospect	52	0.01	0.02	0.02	0.04	0.06	0.08	0.09	0.03	0.02	0
12016	Windsor	College/South St	46	0.01	0.01	0.02	0.07	0.12	0.18	0.19	0.04	0.02	0
12038	Windsor	2885 Howard Av	49	0.03	0.05	0.06	0.09	0.12	0.15	0.16	0.07	0.06	0
12058	Windsor	Columbus Centre	36	0.02	0.04	0.04	0.05	0.07	0.07	0.07	INS	INS	0
12060	Windsor	2335 Dougall Ave	48	0.01	0.01	0.01	0.02	0.02	0.07	0.09	0.01	0.01	0
12061	Windsor	1531 Crawford St	53	0.01	0.01	0.02	0.03	0.04	0.07	0.08	0.02	0.02	0
14016	Courtright	Hwy40 (OPP Lambton GS)	54	0.03	0.07	0.14	0.21	0.34	0.78	0.79	0.18	0.12	0
14030	Coruma	Rt1 (W of House)	56	0.01	0.01	0.01	0.02	0.04	0.06	0.07	0.01	0.01	0
14064	Samia	Centennial Pk, Front St/Cn Tracks	49	0.01	0.01	0.02	0.03	0.04	0.07	0.08	0.02	0.02	0
15009	Longwoods	Longwoods Conservation	50	0.01	0.01	0.02	0.03	0.04	0.11	0.13	0.02	0.02	0
15025	London	900 Highbury Ave	13	0.31	0.36	0.53	0.64	0.94	1.44	1.50	INS	INS	0
22907	Nanticoke	Rainham Rd (Near Stelco Gate)	19	0.01	0.03	0.05	0.08	0.12	0.14	0.14	INS	INS	0
27008	St Catharines	71 King St	14	0.14	0.15	0.25	0.34	0.45	0.48	0.48	INS	INS	0
27047	Port Colborne	Davis/Frazier	12	0.12	0.13	0.15	0.19	0.27	0.30	0.30	INS	INS	0
27052	Thorold	185 Queen St S	34	0.04	0.07	0.10	0.12	0.19	0.32	0.36	INS	INS	0
29011	Hamilton	Burlington/Leeds	49	0.05	0.08	0.09	0.12	0.15	0.18	0.18	0.10	0.09	0
29012	Hamilton	Burlington/Wellington	9	0.04	0.05	0.05	0.06	0.07	0.07	0.07	INS	INS	0
29025	Hamilton	Barton/Wentworth	53	0.07	0.10	0.11	0.13	0.16	0.17	0.18	0.11	0.11	0
29098	Hamilton	Bay/Main St	9	0.03	0.04	0.06	0.07	0.08	0.09	0.09	INS	INS	0
29102	Hamilton	467 Beach Blvd	52	0.03	0.04	0.06	0.07	0.10	0.13	0.15	0.06	0.05	0
29114	Hamilton	Vickers Rd/East 18Th St	48	0.03	0.04	0.05	0.06	0.08	0.10	0.10	0.05	0.05	0
31058	Toronto	Mosley/Leslie Sts	264	0.08	0.14	0.24	0.35	0.57	1.02	1.60	0.29	0.22	0
31303	Toronto	Toronto (Osgoode)	10	0.15	0.19	0.21	0.22	0.23	0.27	0.27	INS	INS	0
46117	Mississauga	Meadow Pk, Apple Lane Club	52	0.15	0.24	0.32	0.39	0.47	0.56	0.56	0.31	0.29	0
71042	Sault Ste Marie	Pumphouse, Bonney St	49	0.07	0.10	0.14	0.18	0.22	0.45	0.48	0.15	0.13	0
71049	Sault Ste Marie	Land Office, Queen St	25	0.03	0.04	0.05	0.07	0.10	0.15	0.17	INS	INS	0
71068	Sault Ste Marie	Wm. Merrifield School	22	0.26	0.33	0.39	0.46	0.60	0.75	0.79	INS	INS	0
77026	Sudbury	19 Lisgar St	19	0.03	0.05	0.08	0.13	0.48	0.67	0.68	INS	INS	0
77070	Copper Cliff	Pumphouse Nickel St.	18	0.09	0.14	0.20	0.26	0.77	1.39	1.50	INS	INS	0

**TABLE 22 Nitrate (NO<sub>3</sub>) in TSP Statistics (1996)**  
Unit = micrograms/m<sup>3</sup>

Sta	City	Location	Number of Samples	P E R C E N T I L E S							Arith Mean	Geom Mean
				10%	30%	50%	70%	90%	99%	Max		
12007	Windsor	Wright/Water St	42	1.9	3.0	4.7	6.3	8.8	10.2	10.2	5.0	4.3
12008	Windsor	467 University Av W	49	2.7	3.9	5.9	7.8	9.6	12.3	12.7	6.1	5.3
12015	Windsor	Sewage St Hwy 18/Prospect	52	2.8	5.1	6.2	7.9	10.7	14.8	15.9	6.7	5.9
12016	Windsor	College/South St	46	2.1	4.2	5.4	7.7	9.8	13.1	14.8	5.9	5.0
12038	Windsor	2885 Howard Av	49	2.1	4.1	5.6	7.5	10.1	15.7	16.5	6.0	5.0
12053	Amherstburg	415 Front St	47	2.6	4.0	5.8	7.0	9.4	12.0	13.0	5.8	5.1
12058	Windsor	Columbus Centre	49	2.5	4.1	5.4	7.5	9.6	12.9	14.3	5.9	5.2
14016	Courtright	Hwy40 (OPP Lambton GS)	54	2.2	3.4	4.6	5.5	6.9	10.7	12.6	4.6	4.1
14064	Samia	Centennial Pk, Front St/Cn Tracks	49	2.2	3.2	4.6	5.8	8.0	12.3	14.6	4.8	4.2
22904	Nanticoke	Walpole S Ps Sandusk Rd	55	1.9	3.1	4.7	5.9	9.1	10.9	11.7	5.0	4.3
27008	St Catharines	71 King St	14	2.2	3.7	4.2	5.6	8.2	10.0	10.2	INS	INS
29011	Hamilton	Burlington/Leeds	49	1.6	2.4	3.9	5.4	7.8	10.5	11.1	4.3	3.5
29025	Hamilton	Barton/Wentworth	53	1.9	2.9	4.5	6.1	8.4	12.1	13.0	4.9	4.1
29098	Hamilton	Bay/Main St	9	2.1	3.0	3.5	5.4	11.0	18.6	19.4	INS	INS
29102	Hamilton	467 Beach Blvd	52	1.6	2.6	3.8	6.0	8.3	13.9	18.5	4.8	3.9
29114	Hamilton	Vickers Rd/East 18Th St	48	2.1	3.2	5.1	6.2	8.4	11.7	12.4	5.1	4.4
63121	Thunder Bay	Lucasce Drive	54	0.5	0.7	1.1	1.6	2.8	4.1	4.1	1.4	1.1
63200	Thunder Bay	MTC 615 James St S	22	0.6	1.0	1.3	2.1	3.9	4.9	5.0	INS	INS
71068	Sault Ste Marie	Wm. Merrifield School	22	1.2	1.7	2.0	3.7	7.4	9.6	10.1	INS	INS
77026	Sudbury	19 Lisgar St	19	1.0	1.4	1.6	2.6	4.7	6.7	6.8	INS	INS

**TABLE 23 Sulphate (SO<sub>4</sub><sup>2-</sup>) in TSP Statistics (1996)**  
Unit =micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S							Arith Mean	Geom Mean
				100%	30%	50%	70%	90%	99%	Max		
12007	Windsor	Wright/Water St	42	8.8	11.9	15.8	18.1	21.3	43.1	57.1	15.9	14.6
12008	Windsor	467 University Av W	49	7.5	9.5	10.9	12.1	17.7	22.4	24.3	11.6	11.0
12015	Windsor	Sewage Stn Hwy 18/Prospect	52	9.6	12.2	15.7	18.8	22.8	24.8	25.6	15.6	14.9
12016	Windsor	College/South St	46	9.5	11.2	12.8	16.0	19.1	22.9	23.8	13.7	13.2
12038	Windsor	2885 Howard Av	49	8.7	10.2	11.8	14.1	18.3	24.1	25.3	12.7	11.8
12053	Amherstburg	415 Front St	47	7.5	9.4	11.2	13.7	17.1	19.9	21.6	11.9	11.3
12058	Windsor	Columbus Centre	49	5.3	7.8	9.7	11.3	16.2	21.0	21.9	10.2	9.4
14016	Courtright	Hwy40 (OPP Lambton GS)	54	8.0	9.4	10.5	11.4	14.2	22.7	29.3	10.8	10.4
14064	Samia	Centennial Pk, Front St/Cn Tracks	49	9.9	14.6	16.8	18.6	23.9	36.5	40.9	17.2	16.2
22904	Nanticoke	Walpole S Ps Sandusk Rd	55	7.2	10.6	12.6	15.1	19.2	33.0	42.2	13.4	12.3
27008	St Catharines	71 King St	14	7.7	11.3	12.9	15.6	16.7	17.5	17.6	INS	INS
29011	Hamilton	Burlington/Leeds	49	9.8	11.6	13.9	19.0	21.8	41.9	54.6	15.8	14.6
29025	Hamilton	Barton/Wentworth	53	10.4	14.4	17.7	21.1	24.5	43.1	51.2	18.5	17.3
29098	Hamilton	Bay/Main St	9	10.6	13.7	15.9	17.5	19.4	20.9	21.1	INS	INS
29102	Hamilton	467 Beach Blvd	52	10.0	12.8	14.2	19.2	23.7	33.5	40.9	16.0	14.8
29114	Hamilton	Vickers Rd/East 18Th St	48	7.2	9.8	11.4	14.5	19.7	33.6	42.5	13.3	12.2
63121	Thunder Bay	Lucasac Drive	54	1.6	3.0	4.2	5.7	7.7	13.0	13.5	4.7	3.9
63200	Thunder Bay	MTC 615 James St S	22	2.9	3.5	3.9	4.8	7.0	9.0	9.4	INS	INS
71068	Sault Ste Marie	Wm. Merrifield School	22	5.3	7.1	11.0	14.0	16.9	20.5	21.4	INS	INS
77026	Sudbury	19 Lisgar St	19	9.5	11.7	13.3	15.7	19.7	21.2	21.4	INS	INS



**TABLE 24 Inhalable Particle (PM<sub>10</sub>) 24-Hour Statistics (1996)**

Unit= micrograms/m<sup>3</sup>

PM<sub>10</sub> - 24h Interim AAQC is 50 micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S							Arith Mean	Geom Mean	% of days >50
				10%	30%	50%	70%	90%	99%	Max.			
12507	Windsor	PM10 Wright/Water St	48	19.4	22.0	26.0	31.0	40.2	57.4	63.0	28.3	26.8	4.2
12508	Windsor	PM10 467 University Ave W	49	15.0	18.0	22.0	25.0	33.8	50.9	60.0	23.2	21.8	2.0
12513	Windsor	PM10 3665 Wyndotte St E	51	17.0	21.0	25.0	33.0	51.0	76.5	80.0	30.1	27.2	11.8
15525	London	PM10 900 Highbury Ave.	45	9.4	14.0	18.0	22.0	25.0	35.7	37.0	18.0	16.7	0.0
22304	Nanticoke	PM10 Walpole P's Sandusk Rd	55	6.4	10.0	13.0	15.8	22.0	46.4	68.0	14.2	12.3	1.8
27308	St Catharines	PM10 71 King Street	44	11.0	15.0	18.5	23.0	30.7	52.5	68.0	20.2	18.4	2.3
27352	Thorold	PM10 185 Queen St S	43	15.2	23.0	29.0	33.8	55.2	71.5	74.0	31.4	28.1	14.0
29300	Hamilton	PM10 Elgin/Kelly St	53	11.2	14.6	23.0	30.0	46.8	81.1	91.0	26.5	22.5	9.4
29302	Hamilton	PM10 467 Beach Blvd	54	12.0	17.9	22.0	27.1	36.0	63.4	74.0	24.0	21.5	3.7
29313	Hamilton	PM10 Gertrude/Depew	51	16.0	22.0	30.0	47.0	76.0	106.0	119.0	40.5	33.4	27.5
29324	Hamilton	PM10 Buchanan Park P's	51	10.0	13.0	20.0	26.0	38.0	62.0	69.0	22.2	19.1	3.9
31327	Toronto	PM10 Toronto Downtown	24	19.3	24.0	30.0	39.4	48.1	55.5	56.0	INS	INS	8.3
33127	Scarborough	PM10 Lawrence/Kennedy	26	9.0	13.5	15.0	19.0	24.5	32.8	34.0	INS	INS	0.0
35127	Etobicoke	PM10 Evans/Arnold	48	17.0	21.0	22.5	25.9	37.9	64.7	75.0	25.5	23.9	4.2
44127	Oakville	PM10 Bronte Rd/Woburn Cr	47	12.0	15.0	20.0	24.0	32.4	68.0	80.0	22.4	19.9	4.3
46127	Mississauga	PM10 Meadowood Park	53	11.0	13.0	16.0	20.4	30.8	57.0	71.0	19.5	17.3	1.9
56051	Cornwall	PM10 Memorial Pk Bedford/Third	48	14.7	19.0	21.0	24.9	37.1	63.1	73.0	24.2	22.4	4.2
62135	Port Frances	PM10 Legion 250 Church	47	7.0	9.0	14.0	18.0	36.4	70.3	80.0	18.4	14.3	6.4
63201	Thunder Bay	PM10 615 James St S	54	5.3	9.0	13.0	20.1	35.6	67.9	87.0	17.6	13.7	3.7
71342	Sault Ste Marie	PM10 Bonney St	52	12.0	20.2	37.5	51.0	80.1	148.2	164.0	42.0	32.0	32.7
71368	Sault Ste Marie	PM10 Wm Merrifield S	53	7.0	11.6	16.0	23.0	32.0	52.9	56.0	18.7	15.5	1.9
77326	Sudbury	PM10 19 Lisgar St	50	7.0	9.0	12.0	16.0	22.0	35.7	45.0	13.6	11.8	0.0
77570	Copper Cliff	PM10 Market St	31	5.0	8.0	11.0	13.0	21.0	40.9	46.0	INS	INS	0.0

**TABLE 25 Copper (Cu) in PM<sub>10</sub> Statistics (1994-1996)**

Unit = micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S							Arith Mean	Geom Mean	Year
				10%	30%	50%	70%	90%	99%	Max			
12507	Windsor	PM10 Wright/Water St	43	0.005	0.005	0.005	0.005	0.020	0.026	0.030	0.008	0.006	1994
12508	Windsor	PM10 467 University Ave W	46	0.005	0.005	0.005	0.020	0.040	0.060	0.060	0.016	0.010	1994
12513	Windsor	PM10 3665 Wyndotte St E	43	0.005	0.005	0.005	0.020	0.030	0.062	0.070	0.013	0.009	1994
15116	London	PM10 801 Commissioners Rd E	32	0.005	0.009	0.020	0.030	0.030	0.060	0.060	INS	INS	1994
22304	Nanticoke	PM10 Walpole Ps Sandusk Rd	53	0.005	0.005	0.005	0.005	0.005	0.025	0.030	0.006	0.006	1994
2727308	St Catharines	PM10 71 King Street	51	0.005	0.005	0.020	0.020	0.030	0.040	0.040	0.015	0.011	1994
2727352	Thorold	PM10 185 Queen St S	47	0.005	0.005	0.005	0.020	0.020	0.045	0.050	0.012	0.009	1994
2929300	Hamilton	PM10 Elgin/Kelly St	44	0.005	0.020	0.020	0.030	0.040	0.063	0.080	0.025	0.021	1994
2929302	Hamilton	PM10 467 Beach Blvd	48	0.005	0.005	0.005	0.020	0.020	0.031	0.040	0.011	0.009	1994
29313	Hamilton	PM10 Gertrude/Depew	48	0.005	0.005	0.020	0.030	0.050	0.065	0.070	0.023	0.016	1994
29324	Hamilton	PM10 Buchanan Park Ps	29	0.005	0.005	0.005	0.020	0.030	0.044	0.050	INS	INS	1994
31127	Toronto	PM10 Bay/Grosvenor St	53	0.005	0.014	0.020	0.020	0.030	0.045	0.050	0.019	0.015	1994
46127	Mississauga	PM10 Meadowwood Park	53	0.005	0.005	0.020	0.030	0.040	0.050	0.050	0.021	0.015	1994
56051	Cornwall	PM10 Memorial Pk Bedford/Third	44	0.005	0.005	0.005	0.020	0.027	0.057	0.070	0.013	0.009	1994
62135	Fort Frances	PM10 Legion 250 Church	44	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	1994
63201	Thunder Bay	PM10 615 James St S	41	0.005	0.005	0.005	0.005	0.020	0.020	0.020	0.007	0.006	1994
71342	Sault Ste Marie	PM10 Bonney St	54	0.005	0.005	0.005	0.005	0.020	0.025	0.030	0.009	0.007	1994
71368	Sault Ste Marie	PM10 Wm Merrifield S	56	0.005	0.005	0.020	0.020	0.030	0.045	0.050	0.015	0.011	1994
77326	Sudbury	PM10 19 Lisgar St	50	0.005	0.005	0.025	0.090	0.242	0.401	0.460	0.078	0.029	1994
12507	Windsor	PM10 Wright/Water St	48	0.005	0.005	0.005	0.020	0.062	0.090	0.090	0.009	0.007	1995
12508	Windsor	PM10 467 University Ave W	54	0.005	0.005	0.005	0.005	0.020	0.025	0.030	0.008	0.006	1995
12513	Windsor	PM10 3665 Wyndotte St E	56	0.005	0.005	0.005	0.020	0.030	0.045	0.050	0.012	0.009	1995
15116	London	PM10 801 Commissioner Rd E	50	0.005	0.005	0.005	0.005	0.005	0.013	0.020	0.005	0.005	1995
22304	Nanticoke	PM10 Walpole Ps Sandusk Rd	56	0.005	0.005	0.005	0.005	0.005	0.020	0.020	0.006	0.006	1995
2727308	St Catharines	PM10 71 King Street	55	0.005	0.005	0.005	0.005	0.005	0.020	0.020	0.006	0.006	1995
2727352	Thorold	PM10 185 Queen St S	56	0.005	0.005	0.005	0.020	0.030	0.035	0.040	0.010	0.007	1995
2929300	Hamilton	PM10 Elgin/Kelly St	53	0.005	0.014	0.020	0.020	0.030	0.040	0.040	0.018	0.015	1995
2929302	Hamilton	PM10 467 Beach Blvd	55	0.005	0.005	0.005	0.020	0.026	0.050	0.050	0.013	0.010	1995
2929313	Hamilton	PM10 Gertrude/Depew	53	0.005	0.020	0.030	0.040	0.050	0.074	0.090	0.030	0.023	1995
29324	Hamilton	PM10 Buchanan Park Ps	45	0.005	0.020	0.030	0.058	0.132	0.218	0.280	0.051	0.030	1995
31127	Toronto	PM10 Bay/Grosvenor St	54	0.007	0.008	0.020	0.021	0.032	0.032	0.032	0.016	0.012	1995
33127	Scarborough	PM10 Lawrence/Kennedy	50	0.005	0.005	0.005	0.020	0.020	0.030	0.030	0.011	0.009	1995
35127	Etobicoke	PM10 Evans/Arnold	51	0.005	0.005	0.005	0.005	0.020	0.020	0.020	0.007	0.006	1995
44127	Oakville	PM10 Bronte Rd/Woburn Cr	51	0.005	0.005	0.005	0.020	0.020	0.030	0.030	0.013	0.010	1995
46127	Mississauga	PM10 Meadowwood Park	59	0.005	0.020	0.030	0.030	0.040	0.190	0.370	0.030	0.021	1995

**TABLE 25 Copper (Cu) in PM<sub>10</sub> Statistics (1994-1996)**  
Unit = micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S								Arith Mean	Geom Mean	Year
				10%	30%	50%	70%	90%	99%	Max				
56051	Cornwall	PM10 Memorial Pk Bedford/Third	60	0.005	0.005	0.005	0.005	0.020	0.021	0.034	0.040	0.012	0.009	1995
62135	Fort Frances	PM10 Legion 250 Church	54	0.005	0.005	0.005	0.005	0.005	0.005	0.025	0.030	0.006	0.006	1995
63201	Thunder Bay	PM10 615 James St S	59	0.005	0.005	0.005	0.005	0.005	0.005	0.030	0.030	0.007	0.006	1995
71342	Sault Ste Marie	PM10 Bonney St	62	0.005	0.005	0.005	0.005	0.005	0.029	0.054	0.060	0.011	0.008	1995
71368	Sault Ste Marie	PM10 Wm Merrifield S	71368	0.005	0.005	0.020	0.020	0.030	0.042	0.060	0.015	0.011	0.011	1995
77326	Sudbury	PM10 19 Lisgar St	59	0.005	0.011	0.020	0.040	0.162	0.542	0.600	0.065	0.024	0.024	1995
12507	Windsor	PM10 Wright/Water St	48	0.005	0.005	0.005	0.020	0.030	0.067	0.090	0.015	0.011	0.011	1996
12508	Windsor	PM10 467 University Ave W	49	0.005	0.005	0.005	0.005	0.020	0.025	0.030	0.007	0.006	0.006	1996
12513	Windsor	PM10 3665 Wyndotte St E	51	0.005	0.005	0.005	0.020	0.030	0.040	0.040	0.013	0.009	0.009	1996
15525	London	PM10 900 Highbury Ave.	45	0.005	0.005	0.005	0.005	0.020	0.040	0.040	0.009	0.007	0.007	1996
22304	Nanticoke	PM10 Walpole Ps Sandusk Rd	55	0.005	0.005	0.005	0.005	0.005	0.014	0.025	0.030	0.007	0.006	1996
27308	St Catharines	PM10 71 King Street	44	0.005	0.005	0.005	0.005	0.020	0.047	0.060	0.009	0.007	0.007	1996
27352	Thorold	PM10 185 Queen St S	43	0.005	0.005	0.005	0.020	0.030	0.048	0.060	0.070	0.026	0.022	1996
29300	Hamilton	PM10 Elgin/Kelly St	53	0.020	0.020	0.020	0.020	0.020	0.039	0.050	0.013	0.010	0.010	1996
29302	Hamilton	PM10 467 Beach Blvd	54	0.005	0.005	0.005	0.005	0.020	0.080	0.120	0.120	0.038	0.026	1996
29313	Hamilton	PM10 Gerritude/Depew	51	0.005	0.020	0.030	0.050	0.080	0.150	0.200	0.024	0.013	0.013	1996
29324	Hamilton	PM10 Buchanan Park Ps	51	0.005	0.005	0.005	0.020	0.060	0.150	0.200	0.024	0.013	0.013	1996
31327	Toronto	PM10 Toronto Downtown	24	0.020	0.029	0.030	0.050	0.060	0.075	0.080	INS	INS	INS	1996
33127	Scarborough	PM10 Lawrence/Kennedy	26	0.005	0.005	0.005	0.005	0.005	0.005	0.016	0.020	INS	INS	1996
35127	Etobicoke	PM10 Evans/Arnold	48	0.005	0.005	0.005	0.005	0.005	0.020	0.025	0.030	0.008	0.007	1996
44127	Oakville	PM10 Bronte Rd/Woburn Cr	47	0.005	0.005	0.005	0.020	0.020	0.025	0.030	0.011	0.009	0.009	1996
46127	Mississauga	PM10 Meadowood Park	53	0.005	0.020	0.030	0.040	0.050	0.070	0.080	0.029	0.023	0.023	1996
56051	Cornwall	PM10 Memorial Pk Bedford/Third	44	0.005	0.005	0.020	0.030	0.040	0.046	0.050	0.017	0.013	0.013	1996
62135	Fort Frances	PM10 Legion 250 Church	47	0.005	0.005	0.005	0.005	0.005	0.005	0.013	0.020	0.005	0.005	1996
63201	Thunder Bay	PM10 615 James St S	54	0.005	0.005	0.005	0.005	0.005	0.005	0.020	0.020	0.006	0.006	1996
71342	Sault Ste Marie	PM10 Bonney St	52	0.005	0.005	0.005	0.005	0.005	0.035	0.050	0.008	0.007	0.007	1996
71368	Sault Ste Marie	PM10 Wm Merrifield S	53	0.005	0.005	0.005	0.020	0.030	0.035	0.040	0.014	0.010	0.010	1996
77326	Sudbury	PM10 19 Lisgar St	50	0.005	0.020	0.025	0.070	0.162	0.396	0.430	0.065	0.029	0.029	1996
77570	Copper Cliff	PM10 Market St	31	0.005	0.020	0.050	0.110	0.340	4.250	5.000	INS	INS	INS	1996



**TABLE 26 Iron (Fe) in PM<sub>10</sub> Statistics (1994-1996)**  
Unit: micrograms/m<sup>3</sup>

Site	City	Location	Number of Samples	P E R C E N T I L E S							Arith. Mean	Geom. Mean	Year
				10%	30%	50%	70%	90%	99%	Max			
12507	Windsor	PM10 Wright/Water St	43	0.40	0.60	0.70	1.00	1.70	2.68	3.10	0.92	0.77	1994
12508	Windsor	PM10 467 University Ave W	46	0.20	0.30	0.50	0.80	1.45	2.33	2.60	0.69	0.51	1994
12513	Windsor	PM10 3665 Wyndotte St E	43	0.20	0.50	0.70	1.84	2.76	7.47	8.60	1.39	0.78	1994
15116	London	PM10 801 Commissioners Rd E	32	0.20	0.20	0.35	0.50	0.70	1.24	1.30	INS	INS	1994
22304	Nanticoke	PM10 Walpole Pk Sandusky Rd	53	0.05	0.10	0.20	0.30	0.50	0.99	1.20	0.25	0.18	1994
27308	St Catharines	PM10 71 King Street	51	0.10	0.20	0.30	0.40	0.80	2.30	3.40	0.43	0.30	1994
27352	Thorold	PM10 185 Queen St S	47	0.30	0.40	0.60	1.10	1.54	2.62	2.90	0.84	0.68	1994
29300	Hamilton	PM10 Elgin/Kelly St	44	0.20	0.30	0.70	1.10	2.24	2.96	3.00	0.91	0.64	1994
29302	Hamilton	PM10 467 Beach Blvd	48	0.20	0.42	0.90	1.40	2.75	3.70	3.70	1.18	0.76	1994
29313	Hamilton	PM10 Gertrude/Dewey	48	0.27	0.80	1.20	2.09	3.97	8.23	8.70	1.81	1.08	1994
29324	Hamilton	PM10 Buchanan Park Pk	29	0.10	0.20	0.40	0.66	1.04	1.93	2.10	INS	INS	1994
31127	Toronto	PM10 Bay/Grosvenor St	53	0.30	0.30	0.40	0.60	0.80	1.34	1.50	0.50	0.43	1994
46127	Mississauga	PM10 Meadowood Park	53	0.05	0.10	0.20	0.20	0.40	0.65	0.70	0.21	0.16	1994
56051	Cornwall	PM10 Memorial Pk Bedford/Third	44	0.05	0.20	0.20	0.30	0.50	6.30	10.00	0.48	0.21	1994
62135	Fort Frances	PM10 Legion 250 Church	44	0.05	0.10	0.30	0.50	0.77	1.00	1.00	0.36	0.24	1994
63201	Thunder Bay	PM10 615 James St S	41	0.10	0.30	0.40	0.60	1.10	1.46	1.70	0.50	0.37	1994
71342	Sault Ste Marie	PM10 Bonney St	54	0.50	1.00	2.00	3.21	9.01	16.70	22.00	3.30	1.79	1994
71368	Sault Ste Marie	PM10 Wm Merrifield S	56	0.10	0.20	0.40	0.90	1.75	4.24	4.90	0.78	0.43	1994
77326	Sudbury	PM10 19 Lisgar St	50	0.10	0.20	0.30	0.40	0.71	2.63	4.00	0.43	0.29	1994
12507	Windsor	PM10 Wright/Water St	48	0.17	0.40	0.60	1.10	1.76	2.11	2.20	0.81	0.60	1995
12508	Windsor	PM10 467 University Ave W	54	0.20	0.30	0.50	0.70	1.17	1.95	2.00	0.60	0.46	1995
12513	Windsor	PM10 3665 Wyndotte St E	56	0.20	0.35	0.85	1.40	2.65	4.75	5.30	1.18	0.70	1995
15516	London	PM10 801 Commissioner Rd E	50	0.05	0.10	0.20	0.30	0.41	1.20	1.20	0.26	0.19	1995
22304	Nanticoke	PM10 Walpole Pk Sandusky Rd	56	0.05	0.10	0.20	0.45	0.65	1.43	1.70	0.32	0.19	1995
27308	St Catharines	PM10 71 King Street	55	0.05	0.20	0.30	0.40	0.50	0.89	1.00	0.29	0.23	1995
27352	Thorold	PM10 185 Queen St S	56	0.10	0.40	0.60	1.00	1.95	3.23	4.00	0.87	0.57	1995
29300	Hamilton	PM10 Elgin/Kelly St	53	0.12	0.30	0.40	0.84	2.36	3.92	4.70	0.83	0.49	1995
29302	Hamilton	PM10 467 Beach Blvd	55	0.07	0.30	1.00	1.90	2.86	4.05	4.10	1.29	0.68	1995
29313	Hamilton	PM10 Gertrude/Dewey	53	0.40	0.70	1.40	4.02	7.48	11.00	11.00	3.02	1.62	1995
29324	Hamilton	PM10 Buchanan Park Pk	45	0.10	0.20	0.30	0.50	1.42	2.17	2.30	0.53	0.34	1995
31127	Toronto	PM10 Bay/Grosvenor St	54	0.02	0.02	0.40	0.05	0.77	1.02	1.13	0.42	0.34	1995
33127	Scarborough	PM10 Lawrence/Kennedy	50	0.10	0.20	0.30	0.49	0.70	0.95	1.00	0.35	0.28	1995
35127	Etobicoke	PM10 Evans/Arnold	51	0.20	0.30	0.40	0.60	0.70	1.25	1.30	0.45	0.37	1995
44127	Oakville	PM10 Bronte Rd/Woburn Cr	51	0.10	0.20	0.30	0.50	0.90	1.35	1.70	0.41	0.30	1995
46127	Mississauga	PM10 Meadowood Park	59	0.05	0.10	0.20	0.30	0.40	0.87	1.10	0.23	0.17	1995



**TABLE 26 Iron (Fe) in PM<sub>10</sub> Statistics (1994-1996)**  
Unit: micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S							Arith. Mean	Geom. Mean	Year
				10%	30%	50%	70%	90%	99%	Max			
56051	Corwall	PM10 Memorial PK Bedford/Third	60	0.05	0.10	0.20	0.30	0.40	1.01	1.30	0.23	0.16	1995
62135	Fort Frances	PM10 Legion 250 Church	54	0.05	0.10	0.30	0.41	0.90	1.29	1.40	0.38	0.23	1995
63201	Thunder Bay	PM10 615 James St S	59	0.10	0.20	0.40	0.66	1.24	2.64	2.70	0.57	0.36	1995
71342	Sault Ste Marie	PM10 Bonney St	62	0.30	0.80	1.40	3.11	9.11	21.36	36.00	3.19	1.44	1995
71368	Sault Ste Marie	PM10 Wm Merrifield S	60	0.10	0.20	0.45	0.80	1.51	3.28	3.40	0.66	0.40	1995
77326	Sudbury	PM10 191 Ligat St	59	0.10	0.20	0.30	0.46	0.72	1.24	1.30	0.38	0.29	1995
12507	Windsor	PM10 Wright/Water St	48	0.20	0.50	0.75	1.30	2.26	3.12	3.40	1.03	0.71	1996
12508	Windsor	PM10 467 University Ave W	49	0.20	0.30	0.40	0.60	0.90	1.76	2.00	0.53	0.45	1996
12513	Windsor	PM10 3665 Wyndote St E	51	0.30	0.40	0.80	1.10	2.50	8.20	9.00	1.27	0.79	1996
15525	London	PM10 900 Highbury Ave.	45	0.10	0.20	0.20	0.30	0.40	0.56	0.60	0.23	0.19	1996
22304	Nanticoke	PM10 Walpole Pk Sandusky Rd	55	0.05	0.10	0.20	0.20	0.40	0.55	0.60	0.20	0.15	1996
27308	St Catharines	PM10 71 King Street	44	0.10	0.20	0.30	0.40	0.50	0.83	1.00	0.30	0.26	1996
27352	Thorold	PM10 185 Queen St S	43	0.20	0.46	0.60	0.70	1.60	3.24	3.70	0.77	0.56	1996
29300	Hamilton	PM10 Elgin/Kelly St	53	0.20	0.30	0.50	0.84	2.10	4.18	4.80	0.90	0.55	1996
29302	Hamilton	PM10 467 Beach Blvd	54	0.10	0.59	1.00	1.30	1.97	3.19	3.30	1.04	0.69	1996
29313	Hamilton	PM10 Gertrude/Dewey	51	0.40	0.80	1.60	3.90	9.80	18.00	20.00	3.76	1.77	1996
29324	Hamilton	PM10 Buchanan Park Pk	51	0.10	0.20	0.30	0.60	1.80	3.85	4.20	0.72	0.35	1996
31327	Toronto	PM10 Toronto Downtown	24	0.40	0.59	0.85	1.20	1.61	1.80	1.80	INS	INS	1996
33127	Scarborough	PM10 Lawrence/Kennedy	26	0.08	0.20	0.20	0.30	0.40	0.48	0.50	INS	INS	1996
35127	Etobicoke	PM10 Evans/Arnold	48	0.20	0.40	0.50	0.60	0.93	1.20	1.20	0.53	0.46	1996
44127	Oakville	PM10 Bronte Rd/Woburn Cr	47	0.10	0.20	0.30	0.40	0.60	0.75	0.80	0.34	0.28	1996
46127	Mississauga	PM10 Meadowood Park	53	0.05	0.10	0.20	0.30	0.40	0.60	0.70	0.21	0.17	1996
56051	Corwall	PM10 Memorial PK Bedford/Third	44	0.05	0.10	0.20	0.21	0.30	0.50	0.50	0.19	0.15	1996
62135	Fort Frances	PM10 Legion 250 Church	47	0.05	0.10	0.20	0.32	0.70	1.52	1.80	0.33	0.21	1996
63201	Thunder Bay	PM10 615 James St S	54	0.07	0.20	0.40	0.70	1.57	2.81	3.60	0.59	0.34	1996
71342	Sault Ste Marie	PM10 Bonney St	52	0.30	0.93	2.35	6.18	13.90	35.35	43.00	5.62	2.26	1996
71368	Sault Ste Marie	PM10 Wm Merrifield S	53	0.05	0.20	0.40	0.70	1.46	3.88	4.30	0.69	0.34	1996
77326	Sudbury	PM10 191 Ligat St	50	0.10	0.20	0.30	0.40	0.70	1.97	3.00	0.38	0.26	1996
77570	Copper Cliff	PM10 Market St	31	0.05	0.10	0.20	0.60	0.80	2.24	2.60	INS	INS	1996

TABLE 27 Manganese (Mn) in PM<sub>10</sub> Statistics (1994-1996)Unit = micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S							Arith		Geom	Year
				10%	30%	50%	70%	90%	99%	Max	Mean	Mean		
12507	Windsor	PM10 Wriquo/Water St	43	0.010	0.016	0.022	0.028	0.048	0.076	0.088	0.027	0.022	1994	
12508	Windsor	PM10 467 University Ave W	46	0.005	0.012	0.020	0.029	0.042	0.087	0.100	0.024	0.017	1994	
12513	Windsor	PM10 3665 Wyndolite St E	43	0.006	0.014	0.026	0.074	0.186	0.596	0.760	0.077	0.029	1994	
15116	London	PM10 801 Commissioners Rd E	32	0.004	0.008	0.012	0.018	0.030	0.042	0.044	INS	INS	1994	
22304	Nanticoke	PM10 Walpole Ps Sandusk Rd	53	0.001	0.004	0.006	0.012	0.018	0.065	0.082	0.010	0.006	1994	
27308	St Catharines	PM10 71 King Street	51	0.010	0.014	0.016	0.022	0.050	0.112	0.160	0.024	0.018	1994	
27352	Thorold	PM10 185 Queen St S	47	0.015	0.024	0.030	0.046	0.080	0.140	0.140	0.042	0.034	1994	
29300	Hamilton	PM10 Elgin/Kelly St	44	0.015	0.020	0.032	0.065	0.197	0.321	0.330	0.072	0.042	1994	
29302	Hamilton	PM10 467 Beach Blvd	48	0.008	0.023	0.044	0.072	0.116	0.181	0.190	0.056	0.038	1994	
29313	Hamilton	PM10 Gertrude/Depew	48	0.013	0.040	0.060	0.100	0.250	0.366	0.380	0.097	0.053	1994	
29324	Hamilton	PM10 Buchanan Park Ps	29	0.008	0.010	0.014	0.032	0.047	0.112	0.130	INS	INS	1994	
31127	Toronto	PM10 Bay/Grosvenor St	53	0.012	0.016	0.020	0.025	0.038	0.061	0.076	0.023	0.020	1994	
46127	Mississauga	PM10 Meadowood Park	53	0.001	0.006	0.008	0.011	0.020	0.028	0.028	0.009	0.007	1994	
56051	Corwall	PM10 Memorial Pk Bedford/Third	44	0.004	0.006	0.008	0.010	0.025	0.324	0.500	0.023	0.009	1994	
62135	Fort Frances	PM10 Legion 250 Church	44	0.001	0.004	0.010	0.014	0.020	0.025	0.028	0.010	0.006	1994	
63201	Thunder Bay	PM10 615 James St S	41	0.006	0.012	0.018	0.024	0.034	0.041	0.044	0.019	0.016	1994	
71342	Sault Ste Marie	PM10 Bonney St	54	0.022	0.068	0.130	0.170	0.301	0.432	0.490	0.138	0.097	1994	
71368	Sault Ste Marie	PM10 Wm Merrifield S	56	0.005	0.010	0.020	0.050	0.097	0.274	0.290	0.043	0.020	1994	
77326	Sudbury	PM10 19 Lisgar St	50	0.006	0.008	0.008	0.012	0.022	0.033	0.038	0.011	0.009	1994	
12507	Windsor	PM10 Wriquo/Water St	48	0.006	0.012	0.021	0.032	0.045	0.064	0.070	0.024	0.018	1995	
12508	Windsor	PM10 467 University Ave W	54	0.006	0.010	0.017	0.024	0.037	0.075	0.082	0.021	0.016	1995	
12513	Windsor	PM10 3665 Wyndolite St E	56	0.004	0.012	0.032	0.064	0.135	0.269	0.280	0.055	0.025	1995	
15516	London	PM10 801 Commissioner Rd E	50	0.001	0.006	0.010	0.014	0.020	0.050	0.052	0.012	0.008	1995	
22304	Nanticoke	PM10 Walpole Ps Sandusk Rd	56	0.001	0.004	0.008	0.014	0.025	0.037	0.042	0.011	0.008	1995	
27308	St Catharines	PM10 71 King Street	55	0.006	0.012	0.016	0.020	0.024	0.043	0.048	0.016	0.014	1995	
27352	Thorold	PM10 185 Queen St S	56	0.010	0.018	0.030	0.055	0.104	0.234	0.250	0.050	0.031	1995	
29300	Hamilton	PM10 Elgin/Kelly St	53	0.010	0.018	0.028	0.049	0.118	0.229	0.260	0.050	0.032	1995	
29302	Hamilton	PM10 467 Beach Blvd	55	0.005	0.024	0.048	0.090	0.140	0.178	0.200	0.062	0.033	1995	
29313	Hamilton	PM10 Gertrude/Depew	53	0.022	0.060	0.110	0.244	0.478	0.912	1.000	0.200	0.108	1995	
29324	Hamilton	PM10 Buchanan Park Ps	45	0.006	0.010	0.018	0.022	0.084	0.126	0.130	0.028	0.016	1995	
31127	Toronto	PM10 Bay/Grosvenor St	54	0.009	0.013	0.016	0.022	0.034	0.050	0.057	0.020	0.016	1995	
33127	Scarborough	PM10 Lawrence/Kennedy	50	0.006	0.010	0.012	0.021	0.030	0.049	0.050	0.017	0.012	1995	
35127	Etobicoke	PM10 Evans/Arnold	51	0.010	0.016	0.024	0.028	0.040	0.053	0.054	0.024	0.021	1995	
44127	Oakville	PM10 Bronte Rd/Woburn Cr	51	0.004	0.008	0.016	0.020	0.038	0.055	0.060	0.018	0.013	1995	
46127	Mississauga	PM10 Meadowood Park	59	0.001	0.005	0.008	0.012	0.022	0.035	0.038	0.010	0.007	1995	

**TABLE 27 Manganese (Mn) in PM<sub>10</sub> Statistics (1994-1996)**

Unit = micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S						Max	Arith Mean	Geom Mean	Year
				10%	30%	50%	70%	90%	99%				
56051	Cornwall	PM10 Memorial Pk Bedford/Third	60	0.001	0.004	0.006	0.011	0.016	0.032	0.036	0.009	0.006	1995
62135	Fort Frances	PM10 Legion 250 Church	54	0.001	0.004	0.008	0.012	0.023	0.035	0.036	0.010	0.007	1995
63201	Thunder Bay	PM10 615 James St S	59	0.001	0.011	0.016	0.020	0.036	0.065	0.080	0.018	0.012	1995
71342	Sault Ste Marie	PM10 Bonney St	62	0.017	0.048	0.091	0.157	0.318	0.725	0.920	0.143	0.082	1995
71368	Sault Ste Marie	PM10 Wm Merrifield S	60	0.006	0.012	0.022	0.045	0.073	0.140	0.140	0.034	0.021	1995
77326	Sudbury	PM10 19 Lisgar St	59	0.004	0.008	0.010	0.012	0.020	0.032	0.038	0.011	0.009	1995
12507	Windsor	PM10 Wright/Water St	48	0.010	0.020	0.024	0.036	0.051	0.067	0.074	0.028	0.023	1996
12508	Windsor	PM10 467 University Ave W	49	0.006	0.010	0.012	0.019	0.030	0.042	0.042	0.015	0.013	1996
12513	Windsor	PM10 3665 Wyndotte St E	51	0.008	0.016	0.028	0.044	0.130	0.385	0.440	0.055	0.027	1996
15525	London	PM10 900 Highbury Ave	45	0.001	0.008	0.012	0.014	0.019	0.030	0.034	0.011	0.008	1996
22304	Nanticoke	PM10 Walpole Ps Sandusk Rd	55	0.001	0.004	0.006	0.010	0.015	0.020	0.020	0.007	0.005	1996
27308	St Catharines	PM10 71 King Street	44	0.008	0.012	0.015	0.020	0.026	0.066	0.078	0.018	0.015	1996
27352	Thorold	PM10 185 Queen St S	43	0.010	0.020	0.026	0.032	0.062	0.145	0.170	0.033	0.023	1996
29300	Hamilton	PM10 Elgin/Kelly St	53	0.014	0.020	0.038	0.062	0.154	0.488	0.550	0.072	0.040	1996
29302	Hamilton	PM10 467 Beach Blvd	54	0.007	0.032	0.047	0.062	0.092	0.145	0.150	0.050	0.033	1996
29313	Hamilton	PM10 Gertrude/Depeu	51	0.022	0.044	0.086	0.260	0.650	1.265	1.600	0.241	0.111	1996
29324	Hamilton	PM10 Buchanan Park Ps	51	0.006	0.010	0.016	0.034	0.120	0.230	0.240	0.040	0.021	1996
31327	Toronto	PM10 Toronto Downtown	24	0.023	0.030	0.034	0.044	0.059	0.074	0.076	INS	INS	1996
33127	Scarborough	PM10 Lawrence/Kennedy	26	0.004	0.010	0.012	0.015	0.018	0.023	0.024	INS	INS	1996
35127	Etobicoke	PM10 Evans/Arnold	48	0.016	0.022	0.025	0.030	0.041	0.054	0.056	0.027	0.025	1996
44127	Oakville	PM10 Bronte Rd/Woburn Cr	47	0.006	0.012	0.014	0.022	0.026	0.042	0.050	0.017	0.014	1996
46127	Mississauga	PM10 Meadowood Park	53	0.001	0.006	0.008	0.012	0.016	0.022	0.024	0.009	0.007	1996
56051	Cornwall	PM10 Memorial Pk Bedford/Third	44	0.001	0.004	0.006	0.008	0.011	0.021	0.022	0.007	0.005	1996
62135	Fort Frances	PM10 Legion 250 Church	47	0.001	0.001	0.004	0.010	0.019	0.035	0.042	0.008	0.004	1996
63201	Thunder Bay	PM10 615 James St S	54	0.002	0.008	0.013	0.020	0.043	0.094	0.094	0.019	0.011	1996
71342	Sault Ste Marie	PM10 Bonney St	52	0.016	0.059	0.120	0.217	0.414	0.744	0.780	0.180	0.096	1996
71368	Sault Ste Marie	PM10 Wm Merrifield S	53	0.004	0.008	0.016	0.031	0.084	0.222	0.290	0.035	0.016	1996
77326	Sudbury	PM10 19 Lisgar St	50	0.004	0.008	0.008	0.012	0.018	0.033	0.038	0.011	0.009	1996
77570	Copper Cliff	PM10 Market St	31	0.001	0.004	0.006	0.008	0.012	0.019	0.020	INS	INS	1996



**TABLE 28 Sulphate (SO<sub>4</sub><sup>2-</sup>) in PM<sub>10</sub> Statistics (1994-1996)**

Unit =micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S							Arith Mean	Geom Mean	Year
				10%	30%	50%	70%	90%	99%	Max			
12507	Windsor	PM10 Wright/Water St	35	2.0	2.9	5.3	6.1	11.2	15.7	16.2	INS	INS	1994
12508	Windsor	PM10 467 University Ave W	37	1.6	2.6	4.7	5.8	13.9	23.1	24.4	INS	INS	1994
12513	Windsor	PM10 3665 Wyndotte St E	35	1.6	3.3	5.1	7.4	13.7	16.5	16.6	INS	INS	1994
15516	London	PM10 801 Commissioner Rd E	30	1.2	2.4	3.2	4.9	8.3	19.2	19.9	INS	INS	1994
22304	Nanticoke	PM10 Walpole Ps Sandusk Rd	45	1.3	2.3	3.1	5.0	9.1	17.6	20.3	5.1	3.9	1994
27308	St Catharines	PM10 71 King Street	44	1.5	2.5	3.6	5.2	11.6	15.4	15.7	5.1	3.5	1994
27352	Thorold	PM10 185 Queen St S	47	1.6	2.6	3.4	5.8	12.6	16.5	17.7	5.3	3.9	1994
29300	Hamilton	PM10 Elgin/Kelly St	44	1.4	3.1	4.5	6.3	10.5	18.7	18.9	5.5	4.2	1994
29302	Hamilton	PM10 467 Beach Blvd	48	2.0	3.3	5.4	6.3	9.6	21.1	22.4	5.7	4.6	1994
29313	Hamilton	PM10 Gertrude/Depew	48	2.5	4.0	5.1	6.5	10.0	19.5	21.9	5.9	5.0	1994
29324	Hamilton	PM10 Buchanan Park Ps	29	2.1	3.3	4.6	5.8	8.4	11.2	11.8	INS	INS	1994
31127	Toronto	PM10 Bay/Grosvenor St	48	1.1	2.1	3.7	5.6	7.8	17.7	20.4	4.5	3.3	1994
46127	Mississauga	PM10 Meadow Park	46	1.2	1.9	3.3	5.2	10.5	19.4	22.7	4.7	3.2	1994
56051	Corwall	PM10 Memorial PK Bedford/Third	44	1.5	2.4	4.4	6.3	9.5	18.6	20.2	5.3	4.1	1994
62135	Fort Frances	PM10 Legion 250 Church	39	0.6	1.0	1.5	2.0	5.8	9.3	9.7	INS	INS	1994
63201	Thunder Bay	PM10 615 James St S	37	0.6	0.9	1.6	2.2	4.2	6.2	6.6	INS	INS	1994
71342	Sault Ste Marie	PM10 Bonney St	37	1.1	1.8	4.0	7.1	10.3	16.6	18.8	INS	INS	1994
71368	Sault Ste Marie	PM10 Wm Merrifield S	38	1.0	1.5	2.0	3.4	6.5	12.2	14.2	INS	INS	1994
77326	Sudbury	PM10 19 Lisgar St	31	1.1	1.7	2.7	4.0	6.6	8.3	8.4	INS	INS	1994
12507	Windsor	PM10 Wright/Water St	44	1.5	2.4	3.0	3.8	7.5	11.7	12.3	4.0	3.2	1995
12508	Windsor	PM10 467 University Ave W	50	1.7	2.2	3.5	4.6	8.4	12.2	13.2	4.3	3.4	1995
12513	Windsor	PM10 3665 Wyndotte St E	51	1.7	2.0	3.8	6.3	11.5	18.0	20.1	5.2	3.8	1995
15516	London	PM10 801 Commissioner Rd E	45	1.2	1.8	3.3	4.3	9.7	16.4	17.4	4.5	3.2	1995
22304	Nanticoke	PM10 Walpole Ps Sandusk Rd	56	1.3	2.1	2.9	4.5	8.5	13.8	15.2	4.1	3.1	1995
27308	St Catharines	PM10 71 King Street	55	1.2	1.9	2.5	3.8	8.1	12.4	13.3	3.6	2.8	1995
27352	Thorold	PM10 185 Queen St S	56	1.5	2.0	2.8	4.2	7.5	14.0	14.3	3.9	3.0	1995
29300	Hamilton	PM10 Elgin/Kelly St	52	1.6	2.2	3.2	4.7	10.2	18.7	24.3	4.6	3.5	1995
29302	Hamilton	PM10 467 Beach Blvd	55	1.4	2.8	4.2	5.5	9.3	16.9	17.6	4.9	3.9	1995
29313	Hamilton	PM10 Gertrude/Depew	53	1.9	2.7	4.0	5.6	10.3	17.3	19.9	5.1	4.1	1995
29324	Hamilton	PM10 Buchanan Park Ps	46	1.7	2.2	3.5	4.9	10.5	22.9	29.7	5.0	3.7	1995
31127	Toronto	PM10 Bay/Grosvenor St	45	1.3	1.5	2.4	4.2	7.4	10.2	10.7	3.4	2.6	1995
33127	Scarborough	PM10 Lawrence/Kennedy	50	0.7	1.6	2.2	3.6	7.2	11.3	11.8	3.2	2.2	1995
35127	Etobicoke	PM10 Evans/Arnold	51	1.1	1.8	2.6	3.9	6.5	10.9	11.0	3.5	2.7	1995



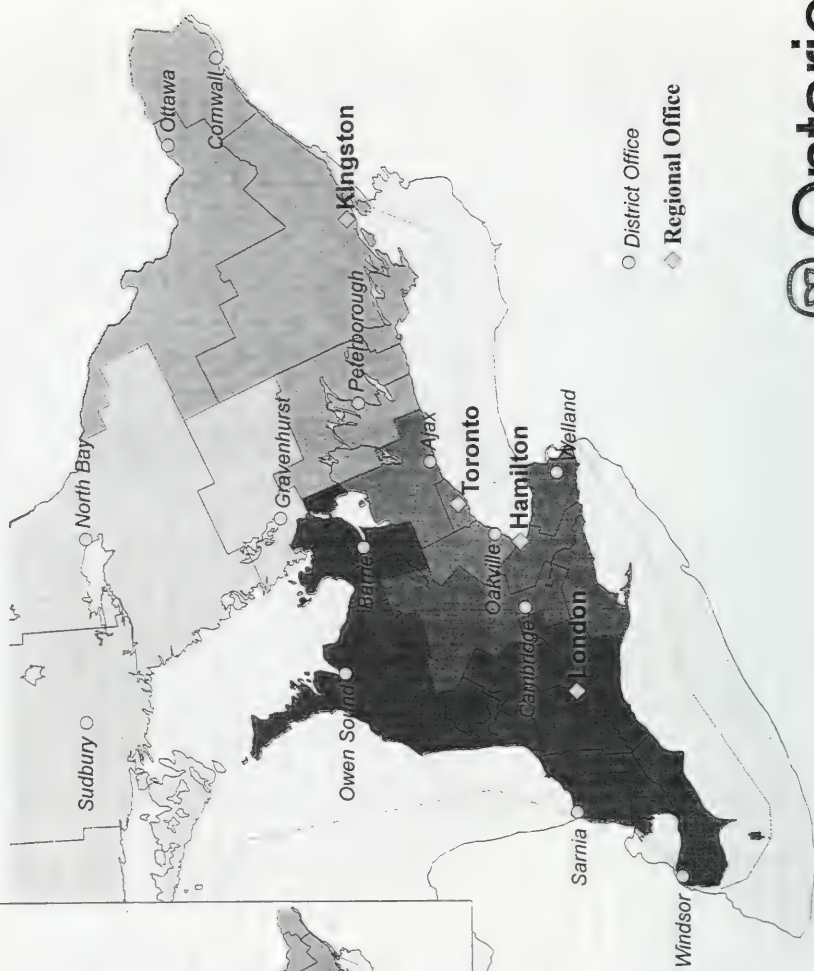
TABLE 28 Sulphate (SO<sub>4</sub><sup>2-</sup>) in PM<sub>10</sub> Statistics (1994-1996)Unit =micrograms/m<sup>3</sup>

Stn	City	Location	Number of Samples	P E R C E N T I L E S						Max	Arith Mean	Geom Mean	Year
				10%	30%	50%	70%	90%	99%				
44127	Oakville	PM10 Bronte Rd/Woburn Cr	46	1.2	2.1	2.6	4.4	10.6	14.8	14.9	4.2	3.1	1995
46127	Mississauga	PM10 Meadowood Park	54	1.1	1.7	2.4	3.6	9.0	12.5	13.2	3.7	2.6	1995
56051	Corwall	PM10 Memorial Pk Bedford/Third	60	1.0	2.2	3.3	4.8	8.3	25.9	40.4	4.9	3.3	1995
62135	Fort Frances	PM10 Legion 250 Church	54	1.0	1.4	1.9	2.3	5.3	8.9	10.0	2.4	1.9	1995
63201	Thunder Bay	PM10 615 James St S	59	0.7	0.9	1.5	2.0	3.1	5.1	5.2	1.7	1.4	1995
71342	Sault Ste Marie	PM10 Bonney St	60	0.9	1.7	2.9	5.2	12.4	26.7	37.4	5.0	3.1	1995
71368	Sault Ste Marie	PM10 Wm Merrifield S	58	0.8	1.3	1.6	2.2	4.8	10.6	13.0	2.4	1.8	1995
77326	Sudbury	PM10 19 Lasar St	57	0.8	1.3	1.6	2.2	3.8	9.5	9.9	2.2	1.7	1995
12507	Windsor	PM10 Wright/Water St	48	2.8	3.9	5.1	5.6	8.3	15.1	20.6	5.2	4.7	1996
12508	Windsor	PM10 467 University Ave W	49	1.8	2.6	3.9	4.6	6.8	17.1	19.3	4.3	3.5	1996
12513	Windsor	PM10 3665 Wyndotte St E	51	2.2	3.0	4.4	5.3	7.1	16.7	18.1	4.8	4.1	1996
15525	London	PM10 900 Highbury Ave.	45	1.2	2.2	3.2	3.9	6.6	10.7	11.8	3.6	2.9	1996
22304	Nanticoke	PM10 Walpole P's Sandusk Rd	55	1.3	2.6	3.3	4.2	6.0	21.4	33.1	4.1	3.1	1996
27308	St Catharines	PM10 71 King Street	44	1.6	2.7	3.4	4.6	7.8	23.6	34.3	4.6	3.5	1996
27352	Thorold	PM10 185 Queen St S	43	1.9	2.9	3.8	4.8	7.3	14.7	18.5	4.3	3.7	1996
29300	Hamilton	PM10 Elgin/Kelly St	53	1.5	2.6	4.2	5.5	9.0	28.0	38.3	5.3	3.9	1996
29302	Hamilton	PM10 467 Beach Blvd	54	2.1	2.9	3.9	4.9	7.2	19.1	28.4	4.6	3.8	1996
29313	Hamilton	PM10 Gertrude/Depew	51	2.1	3.2	4.2	5.4	9.4	25.7	33.1	5.5	4.4	1996
29324	Hamilton	PM10 Buchanan Park P's	51	1.4	2.5	3.8	4.8	8.6	21.9	28.4	5.0	3.7	1996
31327	Toronto	PM10 Toronto Downtown	24	1.9	2.8	3.5	4.5	6.2	7.6	7.9	INS	INS	1996
33127	Scarborough	PM10 Lawrence/Kennedy	26	1.1	1.4	1.9	2.3	3.7	3.9	3.9	INS	INS	1996
35127	Bahioke	PM10 Evans/Arnold	48	1.7	2.5	3.6	4.4	5.6	21.5	31.1	4.2	3.4	1996
44127	Oakville	PM10 Bronte Rd/Woburn Cr	47	1.6	2.4	3.2	4.2	6.9	25.3	33.9	4.4	3.3	1996
46127	Mississauga	PM10 Meadowood Park	53	1.4	2.4	3.2	3.9	8.7	23.1	33.2	4.4	3.2	1996
56051	Corwall	PM10 Memorial Pk Bedford/Third	48	2.0	3.2	4.0	6.2	12.4	24.8	29.3	6.0	4.4	1996
62135	Fort Frances	PM10 Legion 250 Church	47	0.7	1.1	1.6	2.0	7.9	24.2	28.1	3.3	1.8	1996
63201	Thunder Bay	PM10 615 James St S	54	0.5	0.9	1.4	2.1	4.0	9.7	14.4	2.0	1.4	1996
71342	Sault Ste Marie	PM10 Bonney St	52	1.1	2.6	3.6	6.2	11.7	24.9	25.5	5.7	3.8	1996
71368	Sault Ste Marie	PM10 Wm Merrifield S	53	0.7	1.4	2.2	3.3	5.5	7.8	7.9	2.7	2.0	1996
77326	Sudbury	PM10 19 Lasar St	50	0.7	1.7	2.1	2.5	4.6	10.9	15.7	2.6	1.9	1996
77570	Copper Cliff	PM10 Market St	31	0.5	1.2	1.7	2.7	4.5	13.5	16.8	INS	INS	1996

# MAP1 Location of Provincial Regional Boundaries (1996)

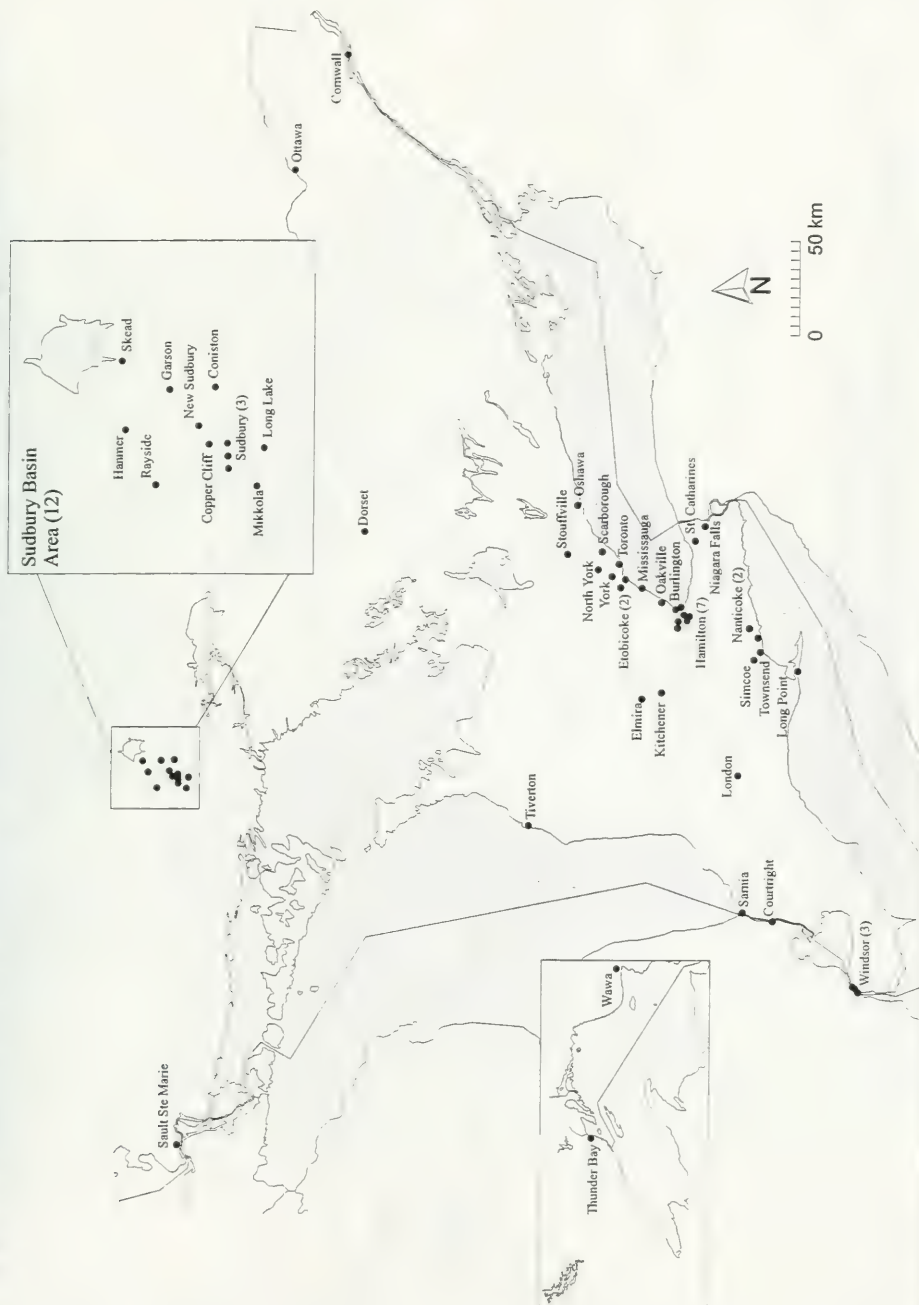


- Regions**
- Central
  - West Central
  - Southwestern
  - Northern
  - Eastern



- District Office
- ◆ Regional Office

# MAP2 Location of Provincial Continuous SO<sub>2</sub> Air Monitoring Stations (1996)

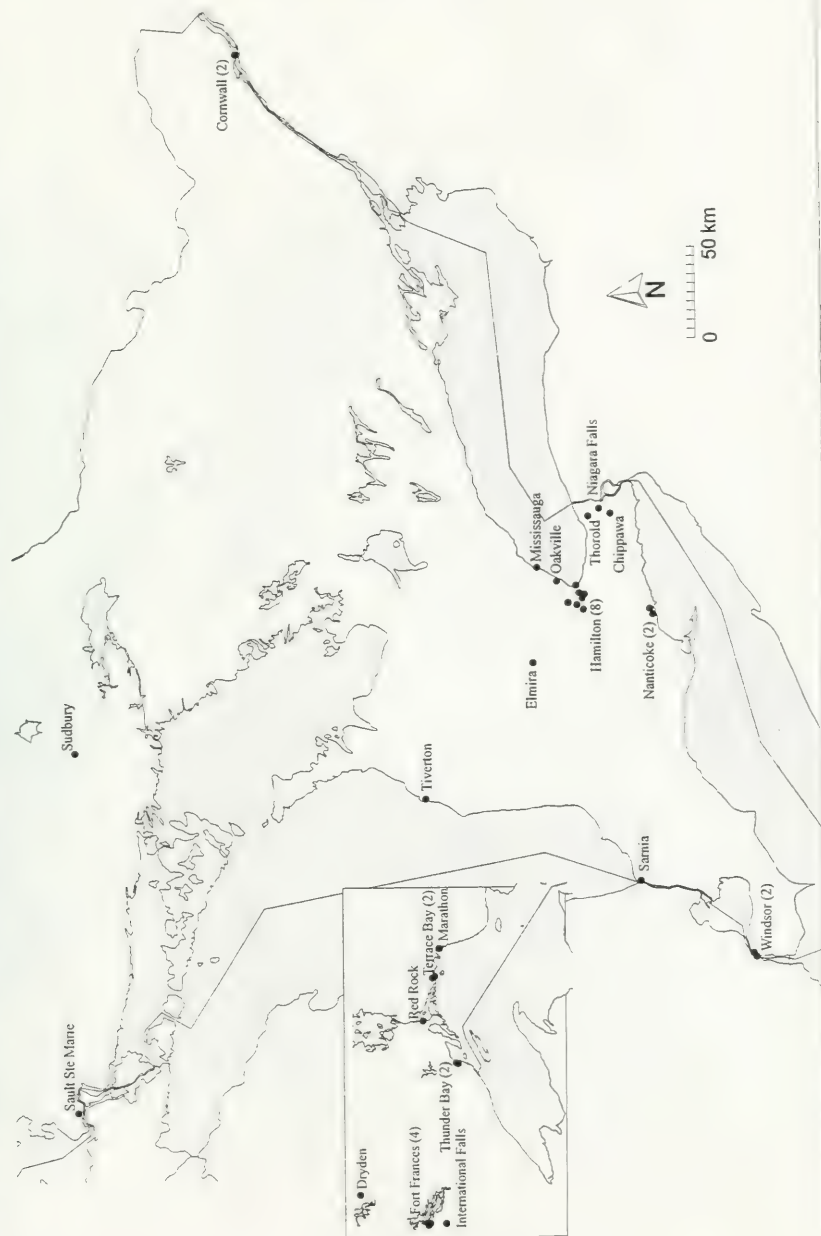


# MAP 3 Location of Provincial Continuous SP (as COH) Air Monitoring Stations (1996)





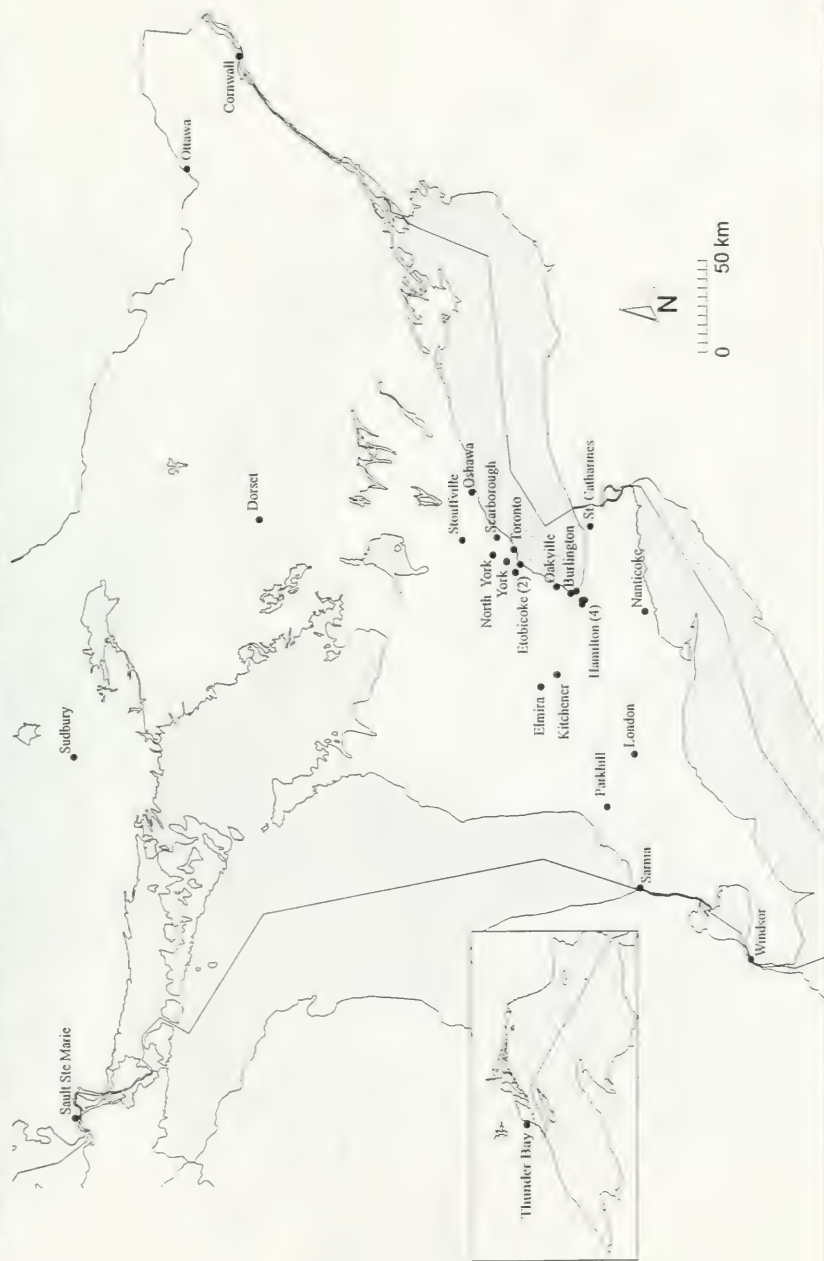
**MAP4 Location of Provincial Continuous TRS Air Monitoring Stations (1996)**



# MAP5 Location of Provincial Continuous CO Air Monitoring Stations (1996)



**MAP6 Location of Provincial Continuous NO<sub>2</sub> Air Monitoring Stations (1996)**

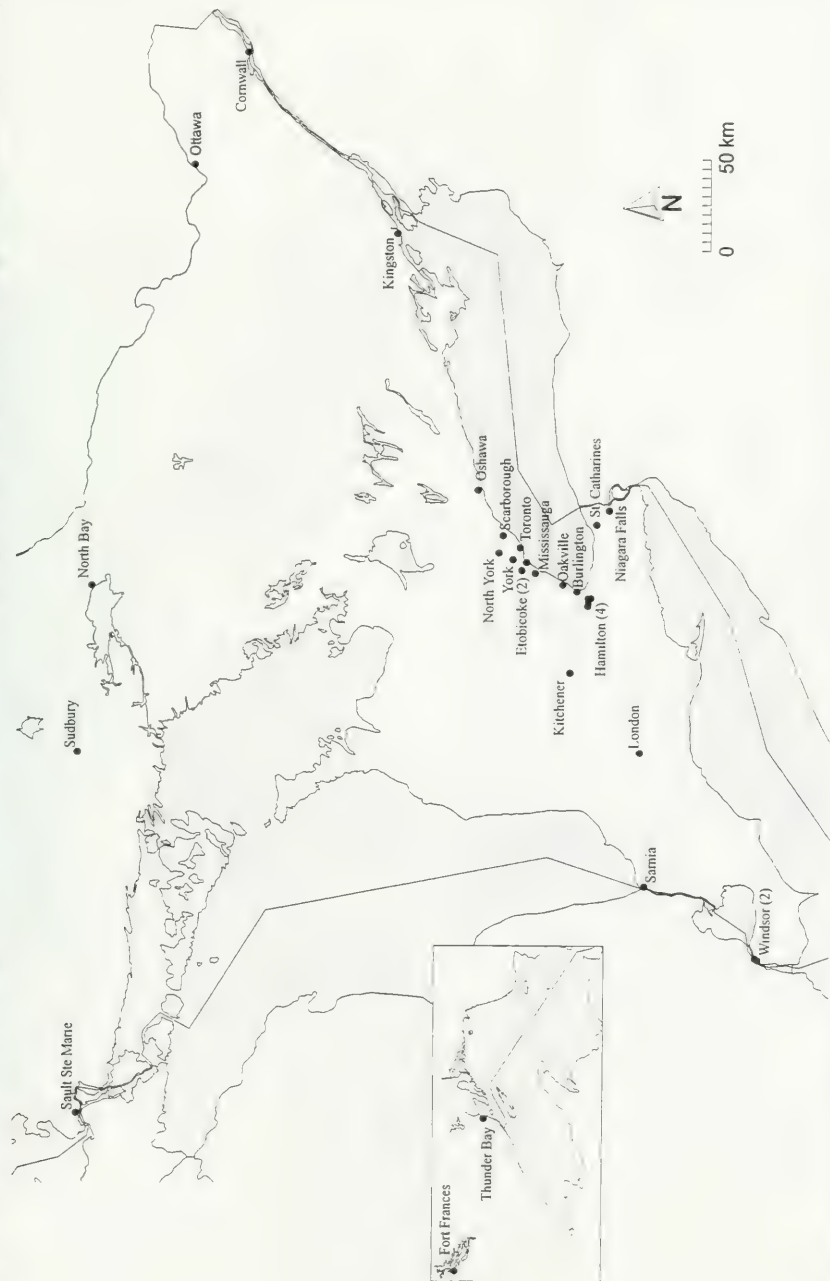


**MAP7 Location of Provincial Continuous O<sub>3</sub> Air Monitoring Stations (1996)**





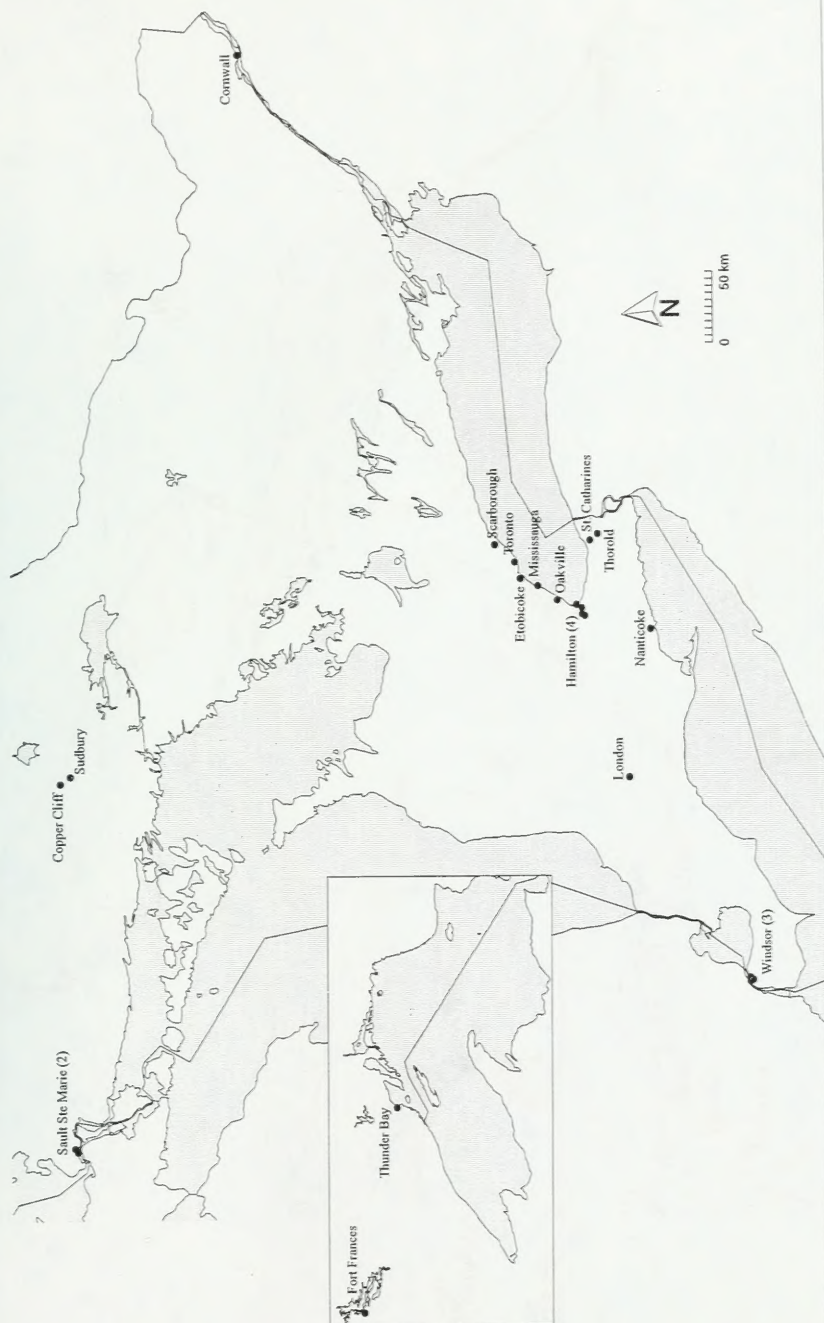
**Map8 Location of Provincial Continuous AQI Air Monitoring Stations (1996)**



# MAP9 Location of Provincial 24-Hour TSP Air Monitoring Stations (1996)



# MAP10 Location of Provincial 24-Hour PM<sub>10</sub> Air Monitoring Stations (1996)



# MAP11 Location of Provincial Continuous MET Air Monitoring Stations (1996)

